



REMEDIAL ACTION QUARTERLY MONITORING REPORT

SECOND QUARTER – 2005 (8 of 120)

SKINNER LANDFILL SITE BUTLER COUNTY WEST CHESTER, OHIO

Prepared for:

Skinner Landfill Work Group
c/o Ben Baker
The Dow Chemical Company
Michigan Operations
47 Building
Midland, MI 48667

Prepared by:

Earth Tech, Inc.
2373 Progress Drive
Hebron, KY 41048

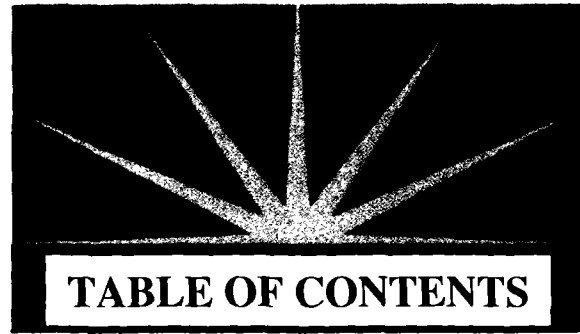


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LIST OF ACRONYMS

AMP	Air Monitoring Plan
AOC	Administrative Order on Consent
ARAR	Applicable or Relevant and Appropriate Requirements
BMR	Baseline Monitor Report
BCDES	Butler County Department of Environmental Services
bgs	Below Ground Surface
BZ	Breathing Zone
CD&D	Construction Debris and Demolition Waste
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CGI	Combustible Gas Indicator
CHSD	Corporate Health and Safety Director
CIP	Construction Implementation Plan
CLP	Contract Laboratory Program
cm/sec	Centimeters Per Second
CO	Carbon Monoxide
CP	Contingency Plan
CQA	Construction Quality Assurance
CQAC	Construction Quality Assurance Consultant
CRZ	Contamination Reduction Zone
CRQL	Contract Required Quantitation Limit
CSDI	Contaminated Soils Design Investigation
CY	Cubic Yard
CZ	Control Zone
DSW	Division of Surface Water (OEPA)
DSR	Division Safety Representative
EPA	Environmental Protection Agency
EZ	Exclusion Zone
FID	Flame Ionization Detector
FML	Flexible Membrane Liner (low density polyethylene)
FSP	Field Sampling Plan
FTB	Film Tearing Bond
ft	Feet
ft/sec	Feet Per Second
GCL	Geosynthetic Clay Layer
GCAL	Gulf Coast Analytical Laboratories Inc.
GIS	Groundwater Interceptor System
gpd	Gallons Per Day
gpm	Gallons Per Minute
GWDI	Groundwater Design Investigation
HAP	Hazardous Air Pollutant
HASP	Health and Safety Plan
HDPE	High-Density Polyethylene
HSM	Health and Safety Manager
IDLH	Immediately Dangerous to Life or Health

IRM	Interim Remedial Measures
kg/d	Kilograms Per Day
lb/day	Pounds Per Day
LEL	Lower Explosion Limit
LF	Lineal Feet
LLDPE	Linear Low-Density Polyethylene
μ	Micron
μg/l	Microgram per Liter
MSL	Mean Sea Level
NIOSH	National Institute for Occupational Safety and Health
NO _x	Oxides of Nitrogen
NWI	National Wetland Inventory
O ₃	Ozone
OAC	Ohio Administrative Code
ODNR	Ohio Department of Natural Resources
OEPA	Ohio Environmental Protection Agency
ORC	Ohio Revised Code
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PID	Photoionization Detector
PLC	Programmable Logic Controller
PM-10	Particulate Matter less than 10 microns
PRP	Potentially Responsible Party
PPE	Personal Protective Equipment
psi	Pounds Per Square Inch
PQL	Practical Quantitation Limit
QAPP	Quality Assurance Project Plan
QA	Quality Assurance
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RA	Remedial Action
RD	Remedial Design
RHSS	Regional Health & Safety Specialist
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RPM	Remedial Project Manager (USEPA)
RPO	Resident Project Observer
SI	Site Inspection
SF	Square Feet
SLWG	Skinner Landfill Work Group
SO ₂	Sulfur Dioxide
SOP	Standard Operating Procedure
SOW	Statement of Work
SPCC	Spill Prevention Control and Counter Measure Plan
SSO	Site Safety Officer
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compound
SZ	Support Zone

TAL	Target Analyte List
TCL	Target Compound List
TDH	Total Dynamic Head
TLV	Threshold Limit Values
TSS	Total Suspended Solids
TWA	Time Weighted Average
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Services
USGS	United States Geological Survey
VOC	Volatile Organic Compound
yr	Year
WBGT	Wet Bulb Globe Temperature
WZ	Work Zone

1.0 INTRODUCTION

1.1 GENERAL INFORMATION

This quarterly monitoring report was prepared for the Skinner Landfill Superfund Site located in West Chester, Butler County, Ohio in accordance with the Operation and Maintenance - Long-Term Performance Plan (O&M-LTP Plan) dated August 2003. The O&M-LTP Plan was prepared to meet the requirements of the Record of Decision (ROD) dated June 4, 1993, the Statement of Work (SOW) dated April 6, 1994, the 100% Final Remedial Design dated June 21, 1996 and the Consent Decree dated April 7, 2001.

The remedial action (RA) post-construction O&M monitoring period began with the third quarter of 2003 and extends for a period of 30 years. This report documents the results of groundwater and surface water monitoring conducted during the second quarter of 2005, which is the 8th of 120 quarterly sampling events to be conducted during the 30-year monitoring period.

1.2 SITE LOCATION AND DESCRIPTION

Skinner Landfill is located approximately 15 miles north of Cincinnati, Ohio near West Chester, Butler County, Ohio in Township 3, Section 22, Range 2. The site is located along Cincinnati-Dayton Road, as shown in Figure 1. The site is bordered on the south by the East Fork of Mill Creek, on the north by wooded land, on the east by a Norfolk Southern Railway Company right-of-way, and on the west by a gravel driveway.

The site is located in a highly dissected area that slopes from a till-mantled-bedrock upland to a broad, flat-bottomed valley that is occupied by the main branch of Mill Creek. Elevations on the site range from a high of nearly 800 feet above mean sea level (MSL) in the northeast, to a low of 645 feet above MSL near the confluence of Skinner Creek and East Fork of Mill Creek. Both Skinner Creek and the East Fork of Mill Creek are small, intermittent shallow streams. Both of these streams flow to the southwest from the site toward the main branch of Mill Creek.

In general, the site is underlain by relatively thin glacial drift over inter-bedded shale and limestone of Ordovician age. The composition of the glacial drift ranges from intermixed silt, sand and gravel, to silty sandy clays with a thickness ranging from zero to over forty feet. The sand and gravel deposits comprise the hills and ridges and are encountered near the surface of the central portion of the site. The silts and clays usually occur as lenses in the sands and gravel or directly overlie bedrock.

1.3 SITE HISTORY AND BACKGROUND

The property was originally developed as a sand and gravel mining operation and was subsequently used as a landfill from 1934 to 1990. According to USEPA studies, materials deposited at the site include demolition debris, household refuse and a wide variety of chemical wastes. The waste disposal areas include a now buried former waste lagoon near the center of the site and a landfill. According to USEPA studies, the buried lagoon was used for the disposal of paint wastes, ink wastes, creosote, pesticides, and other chemical wastes. The landfill area, located north and northeast of the buried lagoon, received predominantly demolition and landscaping debris.

In 1976, the Ohio EPA (OEPA) initiated an investigation of the site. In 1982, the site was placed on the National Priority List by the USEPA based on information obtained during a limited investigation of the

site. A Phase II Remedial Investigation was conducted from 1989 to 1991 and involved further investigation of groundwater, surface water, soils and sediments. Both a Baseline Risk Assessment and Feasibility Study (FS) were completed in 1992.

The Phase II Remedial Investigation revealed that the most contaminated media at the site is the soil in the buried waste lagoon. Migration of the landfill constituents has been limited, and the Phase II Remedial Investigation concluded that there had been no off-site migration of landfill constituents via groundwater flow.

In the Record of Decision (ROD), dated June 4, 1993, the USEPA selected a remedy for the site consisting of multi-media capping of the landfill and the buried waste lagoon, and collection and treatment of the groundwater. The ROD also required an investigation to determine the feasibility for soil vapor extraction (SVE) in the granular soil adjacent to the buried lagoon.

The Remedial Design (RD) Investigation performed in 1994 was implemented to collect data required to assess the feasibility of the SVE and to design the multi-media cap and the groundwater extraction/treatment systems. The Remedial Design was submitted to USEPA on June 21, 1996 outlining the cover design and groundwater interception system design. Based on the RD investigation, the installation of an SVE system was determined to be unfeasible.

Construction of a groundwater interception system (GIS) and engineered landfill cover system began in April 2001 and was substantially completed in September 2001. The USEPA conducted the pre-final construction inspection on September 27, 2001, the final construction inspection on March 27, 2003 and the second 5-Year Review on January 22, 2004.

2.0 SAMPLING METHODS

This quarterly monitoring event was conducted in general accordance with the following documents shown with the date of the USEPA-approved final version:

- Operation and Maintenance - Long-Term Performance Plan (O&M-LTP Plan) dated August 2003, and
- RA Health and Safety Plan, Final February 2001.

There were no deviations from these work plans.

3.0 RESULTS

3.1 GROUNDWATER LEVELS

The groundwater elevation data obtained from the monitor wells, piezometers and selected gas probes is presented on Table 1 with the corresponding potentiometric surface map provided in Appendix A. The groundwater flow direction and gradient remained relatively unchanged when compared to the previous quarterly monitoring report period. Groundwater flow direction is to the south-southeast directly toward the East Fork of Mill Creek with an average hydraulic gradient of 0.11 ft/ft. The groundwater gradient has remained relatively unchanged when compared to the average hydraulic gradient of 0.13 ft/ft documented in the Remedial Action Baseline Monitoring Report dated March 2005.

3.2 GROUNDWATER-WASTE MONITORING

Results of the piezometer groundwater levels used to monitor the groundwater levels relative to bottom of waste are provided on Table 2. Based on measured water levels, groundwater has been lowered below the waste elevation during this monitoring event at piezometers P-11 and P-12, which are the two piezometers furthest from Duck Pond. The depth to water measurement in piezometer P-11 was recorded with a smaller diameter water level indicator, as opposed to a groundwater interface probe, due to a pinching of the well casing that reduced the diameter of the piezometer. Depth to water measurements could not be recorded from piezometers P-9 and P-10 due to an obstruction or possible pinching of the well casing.

3.3 GROUNDWATER ANALYTICAL RESULTS

A summary of target compound list (TCL) and target analyte list (TAL) parameter concentrations encountered above the contract required detection limit and revised modified trigger level is provided on Table 3. A summary of the laboratory analytical results have been presented on a per well basis in Appendix B to assist in identifying temporal detection patterns. A report of each data set reduction, validation and assessment procedure conducted on an analytical-set basis in accordance with the O&M-LTP Plan quality assurance project plan (QAPP) is included in Appendix C.

In general, target compound list volatiles, semi-volatiles, pesticides and PCBs were not detected in groundwater above the CRQL.

Two of the 24 TAL parameters were detected above the CRQL. Detections of iron (present in two groundwater monitoring wells) and chromium (present in one groundwater monitoring well) were detected above the CRQL.

The concentration of total chromium in groundwater monitoring well GW-07R, detected above the CRQL, also exceeded the revised modified trigger level. Chromium was not detected in the previous quarter at this sampling location.

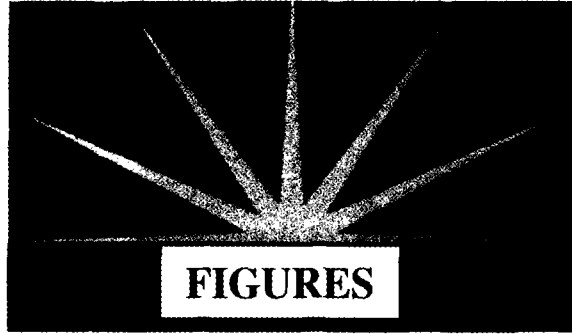
3.4 SURFACE WATER ANALYTICAL RESULTS

Surface water analyzed consisted of sampling surface runoff from the site and surface water directly from the East Fork of Mill Creek. A summary of TCL and TAL parameter concentrations encountered above the contract required detection limit and revised modified trigger level is provided on Table 4. A summary of surface water laboratory analytical results is presented in Appendix B. The summary tables are presented on a sample location basis. The validated laboratory analytical data is provided in Appendix C.

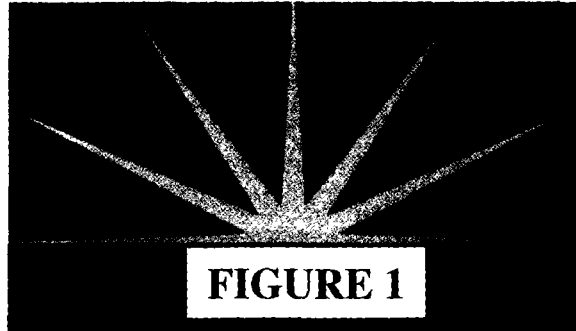
In general, target compound list volatiles, semi-volatiles, pesticides and PCBs were not detected in surface water above the CRQL.

Only one of the 24 TAL parameters were detected above the CRQL. A detection of chromium (present in one surface water sample location) was present above the CRQL.

The concentration of total chromium in surface water sample location SW-51, detected above the CRQL, also exceeded the revised modified trigger level. Chromium was not detected in the previous quarter at this sampling location.



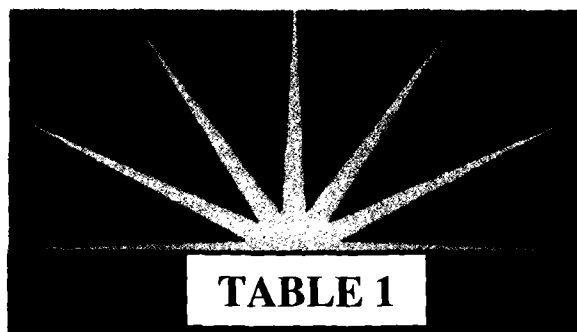
FIGURES



SITE VICINITY MAP

FIGURE 1





GROUNDWATER ELEVATIONS

TABLE 1
Groundwater Elevation Summary
Skinner Landfill
West Chester, Ohio

					June 14, 2005	
Well Type	Location	Well Use	Ground Surface Elevation (MSL-feet)	Top of Casing Elevation (MSL-feet)	Depth to Water (feet from top of casing)	Groundwater Elevation (MSL-feet)
Piezometers	P-1	G	685.42	687.65	10.90	676.75
	P-2	G	688.54	690.42	12.10	678.32
	P-3R	G	691.83	693.69	25.00	668.69
	P-4	G	700.32	702.63	6.30	696.33
	P-5	G	708.20	710.65	14.35	696.30
	P-6	G	707.45	710.59	12.90	697.69
	P-7	G	719.08	721.83	Dry	Dry
	P-8	G	747.70	749.91	30.35	719.56
	P-9	G	760.68	763.90	--	--
	P-10	G	761.34	764.16	--	--
	P-11	G	760.34	762.76	25.20	737.56
	P-12	G	743.50	746.17	40.50	705.67
Groundwater Monitoring Wells	GW-06R	S	683.89	685.91	10.35	675.56
	GW-07R	S	683.46	683.06	8.15	674.91
	GW-24	G	693.32	695.21	19.12	676.09
	GW-26	G	696.61	698.28	29.75	668.53
	GW-30	G	675.63	677.62	10.14	667.48
	GW-58	S	684.03	686.53	13.30	673.23
	GW-59	S	684.35	687.38	7.15	680.23
	GW-60	S	689.12	692.38	10.90	681.48
	GW-61	S	687.38	690.86	13.35	677.51
	GW-62A	S	690.19	692.38	30.00	662.38
	GW-62B	S	690.57	693.13	12.80	680.33
	GW-63	S	698.87	702.50	10.75	691.75
	GW-64	S	700.45	703.88	12.30	691.58
	GW-65	S	703.83	706.88	16.65	690.23
	GW-66	G	686.82	689.41	7.00	682.41
Gas Probes	GP-6	G	772.18	774.65	15.60	759.05
	GP-7	G	749.83	752.65	9.05	743.60

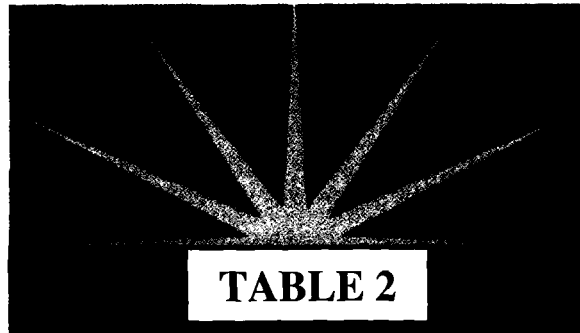
Notes:

MSL - Mean Sea Level

G - Gauging

S - Sampling and Gauging

-- No Gauging Data Available (well constricted)



**GROUNDWATER/WASTE
ELEVATIONS**

TABLE 2
Groundwater-Waste Monitoring Summary
Skinner Landfill
West Chester, Ohio

Piezometer	Depth to Waste (feet)	Bottom of Waste Elevation (MSL-feet)	Baseline Water Elevation (June 2001) (feet)	Water Elevation (September 2004) (feet)	Water Elevation (December 2004) (feet)	Water Elevation (March 2005) (feet)	Water Elevation (June 2005) (feet)
P-9	25	737	745.00	NM	741.87	-	-
P-10	30	734	744.50	-	-	-	-
P-11	17	745	744.30	733.66	Dry	737.46	737.56
P-12	35	707	713.50	705.06	706.14	706.17	705.67

Notes:

Waste elevations determined during piezometer installation on June 28 and 29, 2001.

Shaded cells indicate water level elevations below the elevation of waste.

- No gauging data available (well constricted).

NM - Not Measured (wasp nest in standpipe).



GROUNDWATER RESULTS SUMMARY

TABLE 3

Table 3

Groundwater Summary

Skinner Landfill
West Chester, Ohio
Second Quarter 2005

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
GW-06R	-	-	-	-
GW-07R	-	-	chromium	-
GW-58	-	-	-	-
GW-59	-	-	-	-
GW-60	-	-	-	-
GW-61	-	-	iron	-
GW-62A	-	-	-	-
GW-62B	-	*	*	*
GW-63	-	-	iron	-
GW-64	-	-	-	-
GW-65	*	*	*	*

- all parameters below report limits

italic - above Contract Required Quantitation Levels (CRQL's)

bold - above trigger level

* - Insufficient sample volume.

** - Dissolved metals for analytes that have a corresponding trigger level.



**SURFACE WATER
RESULTS SUMMARY**

TABLE 4

Table 4

Surface Water Summary

Skinner Landfill
West Chester, Ohio
Second Quarter 2005

Sample ID	VOCs	SVOCs	Dissolved Metals**	Pesticides/PCBs
SW-50	-	-	-	-
SW-51	-	-	chromium	-
SW-52	-	-	-	-
SWD-1	*	*	*	*
SWD-2	*	*	*	*
SWD-3	*	*	*	*

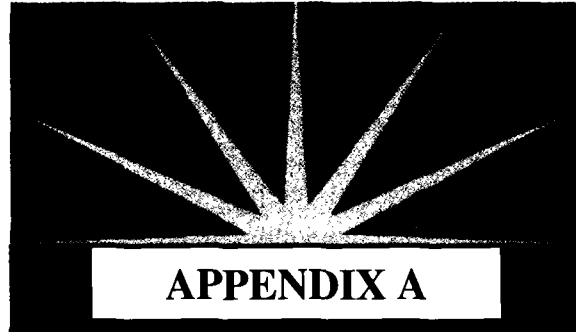
- all parameters below report limits

italic - above Contract Required Quantitation Levels (CRQL's)

bold - above trigger level

* - Insufficient sample volume.

** - Dissolved metals for analytes that have a corresponding trigger level.



POTENTIONMETRIC SURFACE MAP

SDMS US EPA Region V

Imagery Insert Form

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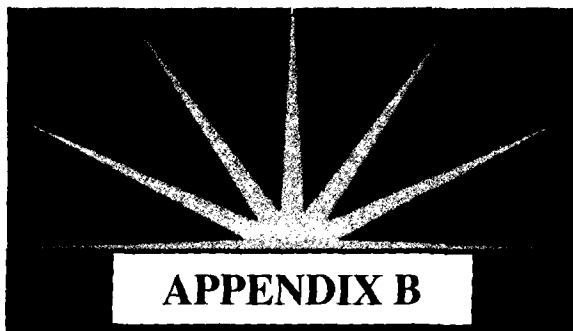
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APPENDIX A – POTENTIOMETRIC SURFACE MAP

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SUMMARY OF ANALYTICAL RESULTS

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-06R**

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results								TRIGGER LEVEL	CRQL
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05		
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	85.2	55.3	55.3	55.3	32.4		200
Antimony	3.7	3.7	7.7	10.6	4.1	3.9	5.4	60	60
Arsenic	2.9	2.9	5.4	5.4	26.7 J	6.1 J	3.8	20	10
Barium	294	266	45.4 J	329	179.0	196	253	1,000	200
Beryllium	0.1	0.1	0.2	0.20	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	0.5	0.30	0.3	0.3	0.1	5	5
Calcium	189,000	189,000	176,000	205,000	193,000	186,000	199,000		5,000
Chromium	0.8	1.2	1.5	3.7	1.5	1.5	1.5	11	10
Cobalt					2.9	0.7	1.1		50
Copper	1.7	1.2	1.2	1.2	1.2	1.2	0.7	25	25
Iron	14.1	22	1,360 J	9.1	1,210	9.1	10.5	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4 UJ	2.4	2.4 UJ	1.4	4.2	3
Magnesium	30,500	30,000	33,100	32,100	31,300	31,700	34,000		5,000
Manganese	77.0	69.5 J	481 J	124	363	173	224		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	1.8	1.7	3.4 J	2.2	2.5	1.1	0.4	96	40
Potassium	2,400	2,060	7,180 J	3,340 J	2,510 J	2,200	2,680		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	4.4	4.4 R	3.5 UJ	8.5	5
Silver	0.4	0.4	0.9	2.5	0.9	0.9	1.1	10	10
Sodium	21,500	20,700	29,000 J	20,900 J	22,000	21,000	22,800		5,000
Thallium	2.6 UJ	2.6	6.3	6.3	8.1	6.3	4.1	40	10
Vanadium	0.8	1.6	1.1	3.5	6.7	11.5	11.9		50
Zinc	0.6 UJ	0.6	0.7 UJ	0.7	0.7	4.6	12.1	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	17,000	9,900	4,950 J	37,200 J	2,890 J	8,510	7,510 J		
Antimony	3.7	5.5	8.2	3.9	3.9	7.6 J	11.5		
Arsenic	20.5	12.4	5.4 UJ	5.4	34.6 J	9.0 J	5.2		
Barium	568	440	103 J	821	232 J	338	397		
Beryllium	1.2	1.1	0.7	2.1	0.2	0.5	0.2		
Cadmium	0.2	1.0	1.5	0.3	0.3	0.3	0.1		
Calcium	378,000	309,000	224,000 J	576,000	217,000	234,000	263,000 J		
Chromium	27.0	16.9	5.3 J	58.5	6.1	11.1	9.7		
Cobalt	24.1	12.3	6.6	46.5	6.0	11.9	12.5		
Copper	52.1	39.3	12 J	97.2 J	5.0	18.7 J	17.3 J		
Cyanide	3.0	1.0	3.3	0.7	0.5	0.5	0.6	10	10
Iron	45,400	25,300	17,300 J	90,600	9,100 J	20,900	21,900 J		
Lead	46.0	23.9	9.3 J	88.1 J	3.3 J	13.6 J	14.8		
Magnesium	115,000	83,600	46,800 J	184,000	42,100 J	51,800	63,000 J		
Manganese	2,940	988	758	5,750	585	1,010	1,460 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1		
Nickel	41.2	23.4	17.2 J	80.5	8.1	15.5	0.4		
Potassium	5,050	3,970	8,320	9,100	3,320 J	4,210	4,080		
Selenium	4.4 UJ	4.4 UJ	4.4	4.4 R	6.6 J	4.4 UJ	3.5 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	22,100	21,900	28,600 J	24,300	21,900	20,400	23,700 J		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ		
Vanadium	41.5	22.2	3.7	84.3	16.1	29.1 J	29.9 J		
Zinc	147 J	72.9	22.1 UJ	283 J	20.4 J	63.2	66.6		
Volatile Organic Compounds (VOCs)									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
1,1-Dichloroethane				0.34 J	1.0 U	1.0 U	1.0 U		10
1,2-Dichloropropane				0.23 J	1.0 U	1.0 U	1.0 U	5	10
Benzene				0.15 J	1.0 U	1.0 U	1.0 U	5	10
Ethylbenzene				0.14 J	1.0 U	0.11 J	1.0 U	62	10
Toluene				0.45 J	1.0 U	0.74 J	1.0 U	1,000	10
Tetrachloroethene				0.17 J	1.0 U	1.0 U	1.0 U	5	10
Xylene (total)				0.33 J	1.0 U	0.19 J	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Dibenz (a,h) anthracene							0.652 J	10	10
Indeno (1,2,3-cd) pyrene							0.502 J	10	10
Benzo (g,h,i) perylene							1.02 J	10	10
Pesticides / PCBs									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-07R**

		Sampling Event (All Results Expressed in Units of µg/l)							
		Quarterly Results							
Compound	November-03	March-04	May-04	September-05	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	62.0	55.3	55.3	55.3	24.0		200
Antimony	3.7	3.7	3.9	3.9	3.9	3.9	6.0	60	60
Arsenic	4.5	2.9	5.4	5.4	35.8 J	5.4	3.8	20	10
Barium	131	113	119 J	118	46.7	94.7	111	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	0.9	0.3	0.3	0.3	0.1	5	5
Calcium	229,000	185,000	184,000	205,000	367,000	173,000	191,000		5,000
Chromium	0.8	1.1	1.5	3.3	1.7	2.4	32.8	11	10
Cobalt	1.4	0.7	0.9	0.6	0.6	0.6	0.6		
Copper	1.2	1.2	1.4	1.2	1.2	1.2	0.7	25	25
Iron	3,580	32.9	41.3 J	9.1	9.1	10.5	56.1	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4	2.4	2.4 UJ	1.4	4.2	3
Magnesium	33,000	26,300	28,100	29,400	52,300	26,700	29,400		5,000
Manganese	849	914 J	1,090 J	418	49.8	398	908		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	1.6	2.2	3.5 J	1.1	1.8	1.5	0.4	96	40
Potassium	3,260	2,350	2,580 J	3,010 J	5,000 J	2,380	2,400		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	8.5	4.4 R	3.5 UJ	8.5	5
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1	10	10
Sodium	42,200	25,200	25,500 J	32,600 J	48,200	24,900	26,600		5,000
Thallium	2.6 UJ	2.6	8.5	6.3	6.3 U	6.3	4.1	40	10
Vanadium	0.8	0.8	1.1	1.1	8.5 B	9.1	11.0		50
Zinc	30.7 J	0.6	0.7 UJ	0.7	0.7 U	11.3	14.3	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	3,130 J	7,810	10,300 J	8,270 J	7,040 J	9,090	23,300 J		
Antimony	3.7	6.6	4.5	5.1	4.0	10.7 J	18.6		
Arsenic	5.3	6.9	5.4 UJ	5.4	45.1 J	5.4	7.6		
Barium	204	484	570 J	469	319 J	405	1,120		
Beryllium	0.1	0.8	0.8	0.2	0.2	0.4	1.1		
Cadmium	0.2	0.9	1.2	0.3	0.3	0.3	0.1		
Calcium	246,000	281,000	260,000 J	250,000	392,000	222,000	293,000 J		
Chromium	4.9	12.9	17.4 J	13.4	12.8	12.5	44.2		
Cobalt	4.3	7.0	9.1	6.2	5.3	6.4	17.8		
Copper	10.0	35.5	31.1 J	15.3 J	15.2	23.1 J	50.8 J		
Cyanide	9890.0	1.5	0.5	0.7	0.5	0.6	0.6	10.0	10.0
Iron	5	20,200	26,900 J	20,200	17,600 J	22,000	63,600 J		
Lead	0.1	9.2	15.7 J	11.4 J	6.7 J	7.1 J	29.5		
Magnesium	41,600	54,000	54,300 J	45,900	66,900 J	42,300	73,000 J		
Manganese	969	1,590	2,020 J	1,400	570	913	2,340 J		
Mercury	10.5	0.1	0.1	0.1	0.1	0.1 UJ	0.1		
Nickel	4.4	17.8	24 J	12.7	14.6	16.0	28.1		
Potassium	3,780	4,510	5,060 J	4,770	6,590 J	4,300	5,940		
Selenium	0.4 UJ	4.4 UJ	4.4	4.4 R	12.0 J	4.4 UJ	3.5 R		
Silver	2.6	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	41,200	31,200	27,100 J	32,400	48,500	26,200	27,500 J		
Thallium	22.7	2.6	6.3	7.0	7.7	6.3 UJ	4.1 UJ		
Vanadium	6.5	15.3 J	15.2	9.2	26.8	23.5 J	47.0 J		
Zinc	3 J	51.2	35.5 UJ	46.9 J	50.3 J	59.4	146		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Toluene						0.69 J	1.0 J	1,000	10
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Diethylphthalate							0.6 J		10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) UJ = Not detected at the listed reporting limit.
- 8) J = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-58**

Sampling Event (All Results Expressed in Units of µg/l)								
Quarterly Results								
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL
CRQL								
Inorganics - Metals (Dissolved)¹³			Not Sampled	Not Sampled				
Aluminum	25.8	25.8	—	—	55.3	55.3	16.4	200
Antimony	3.7	3.7	—	—	3.9	3.9	4.0	60
Arsenic	6.0	3.1	—	—	17.7	5.4 J	3.8	20
Barium	228	156	—	—	162.0	157	151.0	1,000
Beryllium	0.1	0.1	—	—	0.2	0.2	0.1	5
Cadmium	0.2	0.2	—	—	0.3	0.3	0.1	5
Calcium	96,400	109,000	—	—	96,200	108,000	114,000	5,000
Chromium	0.8	1.5	—	—	1.8	1.5	0.8	11
Cobalt	0.4	1.3	—	—	0.6	1.1	0.6	50
Copper	1.2	2.9	—	—	1.2	1.2	0.7	25
Iron	2890	209	—	—	1,290	49.4	10.5	7,000
Lead	1.5	1.5	—	—	2.4 J	2.4 UJ	1.4	4.2
Magnesium	32,800	32,500	—	—	31,900	33,200	34,500	5,000
Manganese	354	549	—	—	398	265	84.7	15
Mercury	0.1	0.1	—	—	0.1	0.1 UJ	0.1	0.2
Nickel	1.3	2.6	—	—	1.1	1.2	0.4	96
Potassium	5,210	4,550	—	—	4,820	4,270	4,110	5,000
Selenium	4.4 R	4.4 UJ	—	—	5.3 J	4.4 R	3.5 UJ	8.5
Silver	0.4	0.4	—	—	0.9	0.9	1.1	10
Sodium	34,400	32,400	—	—	32,900	29,700	30,600	5,000
Thallium	2.6 UJ	2.6	—	—	6.3 J	6.3	4.1	40
Vanadium	0.8	1.6	—	—	7.4	11.1	11.7	50
Zinc	0.6 UJ	0.6	—	—	0.7	2.6	10.1	86
Inorganics - Metals and Cyanide (Total)								
Aluminum	41,600	12,000	—	—	23,400	31,900	17,600 J	
Antimony	3.7	5.7	—	—	3.9	21.7 J	14.6	
Arsenic	32.9	11.5	—	—	60.7 J	19.6 J	6.8	
Barium	822	284	—	—	486	474	364	
Beryllium	2.9	1.0	—	—	1.4	1.8	0.8	
Cadmium	1.8	1.5	—	—	0.3	0.3	0.1	
Calcium	745,000	214,000	—	—	441,000	345,000	277,000 J	
Chromium	112	28.2	—	—	54.2 J	64.0	34.4	
Cobalt	57.2	13.4	—	—	27.4	32.2	16.4	
Copper	138.0	45.7	—	—	56.0	77.6 J	41.5 J	
Cyanide	3.0	0.5	—	—	0.5	0.5	0.6	10
Iron	129,000	32,700	—	—	61,800	80,500	45,400 J	
Lead	92.7	19.5	—	—	39.5 UJ	45.3 J	20.7	
Magnesium	148,000	56,000	—	—	88,600	86,600	73,800 J	
Manganese	4,200	1,300	—	—	2,430	1,970	1,300 J	
Mercury	0.1	0.1	—	—	0.1	0.1 UJ	0.1	
Nickel	124	32.1	—	—	63.0	73.4	17.8	
Potassium	11,800	7,640	—	—	11,800	11,500	8,380	
Selenium	4.4 UJ	4.4 UJ	—	—	5.1 J	4.4 UJ	3.5 R	
Silver	1.6	0.4	—	—	0.9	0.9	1.1	
Sodium	36,900	33,500	—	—	37,200	31,500	34,700 J	
Thallium	2.6	4.1 J	—	—	6.5	6.3 J	4.1 UJ	
Vanadium	74.0	23.2	—	—	63.2	59.4 J	38.0 J	
Zinc	367 J	81 J	—	—	178	224	128	
Volatile Organic Compounds (VOCs)								
Benzene	BRL	BRL	—	—	BRL	BRL	BRL	
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	—	—	BRL	BRL	BRL	
Pesticides / PCBs	BRL	BRL	—	—	BRL	BRL	BRL	

- Notes:
- 1) All results expressed in micrograms per liter (µg/L).
 - 2) Standard Inorganic Data Qualifiers have been used.
 - 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
 - 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
 - 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
 - 6) — = No Sample Available (Well Dry)
 - 7) U = Not detected at the listed reporting limit.
 - 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
 - 9) UJ = A value less than the CRQL but greater than the MDL.
 - 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
 - 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- CRQL = Contract Required Quantitation Limit
- Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-59

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results									
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	27.2	55.3	55.3	55.3	55.3	16.4		200
Antimony	6.5	3.7	3.9	3.9	5.7	6.9	7.7	60	60
Arsenic	2.9	2.9	5.4	5.4	28.5 J	5.4	3.8	20	10
Barium	40.7	21.8	23.2	28.6	23.0	21.1	24.6	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	0.3	0.3	0.3	0.3	0.1	5	5
Calcium	261,000	239,000	209,000	238,000	217,000	236,000	240,000		5,000
Chromium	0.8	1.8	1.5	4.4	2.4	1.5	0.8	11	10
Cobalt	0.4	0.4	0.6	0.6	0.7	0.6	0.6		50
Copper	4.0	2.1	1.2	1.2	1.2	1.2	0.7	25	25
Iron	14.1	28.8	31	9.1	9.1	9.1	10.5	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4	2.4 UJ	1.4	4.2	3
Magnesium	59,500	49,000	43,900	53,500	44,200	53,900	54,600		5,000
Manganese	27.3	4.5 J	0.6	13.6	1.3	0.6	0.1		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	2.3	2.6	2.2	1.1	1.2	1.1	0.4	96	40
Potassium	29,800	32,800	29,200	25,200	32,500 J	19,200	23,200		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	3.5 UJ	8.5	5
Silver	0.4	0.4	0.9	1.2	0.9	0.9	1.1	10	10
Sodium	186,000	166,000	145,000	179,000	134,000	135,000	151,000		5,000
Thallium	2.6 UJ	3.1 J	6.3 UJ	6.3	6.3	6.3	4.1	40	10
Vanadium	0.8	1.4	1.1	1.1	8.6	16.0	16.0		50
Zinc	0.6 UJ	3.1	0.7	0.7	0.7	13.3	12.5	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	3,710	816	754	4,300 J	1,040 J	7,180	2,390 J		
Antimony	3.7	4.7	3.9	4.9	4.2	13.7 J	7.2		
Arsenic	4.3	2.9	5.4	5.4	28.2 J	5.4	4.1		
Barium	213	55	58.4	214	44.6 J	328	85.2		
Beryllium	0.1	0.2	0.2	0.2	0.2	0.3	0.1		
Cadmium	0.2	0.2	0.3	0.3	0.3	1.5	0.1		
Calcium	281,000	243,000	234,000	276,000	211,000	275,000	238,000 J		
Chromium	19.1	5.5	3.7	22.8	6.8	28.7	30.7		
Cobalt	7.4	2.1	2.5	8.4	2.1	13.1	4.7		
Copper	11.9	10.1	4.1	6.5 J	2.7	18.4 J	5.0 J		
Cyanide	3.0	1	0.6	0.5	0.5	0.6	0.6	10	10
Iron	12,900	3,020	2,710	14,000	4,260 J	23,600	10,500 J		
Lead	10.0	1.5	4.7 J	11.7 J	2.4	8.6 J	2.4		
Magnesium	62,400	51,500	49,100	58,000	40,400	61,100	56,000 J		
Manganese	923	224	357	1,180	295	1,680	566 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1		
Nickel	20	6.7	6.3	19.0	6.6	32.7	0.4		
Potassium	31,900	32,500	32,900	28,600	33,700 J	22,000	22,500		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	4.4 R	4.4	4.4 UJ	3.5 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	180,000	162,000	152,000	184,000	127,000	143,000	148,000 J		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ		
Vanadium	5.9	2.3	1.1	1.2	10.6	25.1 J	19.5 J		
Zinc	36.3 J	7.9	10.6	34.4 J	15.0 J	68.0	36.0		
Volatile Organic Compounds (VOCs)									
1,1-Dichloroethane	1.0 U	1.0 U	0.18 J	0.098 J	0.18 J	1.0 U	1.0 U		10
Ethylbenzene				0.016 J	1.0 U	1.0 U	1.0 U	62	10
Semi-Volatile Organic Compounds (SVOCs)									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

- Notes:
- 1) All results expressed in micrograms per liter (µg/L).
 - 2) Standard Inorganic Data Qualifiers have been used.
 - 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
 - 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
 - 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
 - 6) — = No Sample Available (Well Dry)
 - 7) U = Not detected at the listed reporting limit.
 - 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
 - 9) UJ = A value less than the CRQL but greater than the MDL.
 - 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
 - 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
 - 12) CRQL = Contract Required Quantitation Limit
 - 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
 - 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-60**

Sampling Event (All Results Expressed in Units of µg/l)										
Quarterly Results										
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL	
Inorganics - Metals (Dissolved) ¹³		Insufficient Volume		Insufficient Volume						
Aluminum	25.8	25.8	57.9	—	55.3 J	55.3	50.4		200	
Antimony	3.7	5.1	3.9	—	7.4	11.0	4.0	60	60	
Arsenic	2.9	2.9	5.4	—	35.4 J	5.4	4.5	20	10	
Barium	28.7	27.1	37	—	85.2 J	48.7	18.7	1,000	200	
Beryllium	0.1	0.2	0.2	—	0.2	0.2	0.1	5	5	
Cadmium	0.2	0.2	0.6	—	0.3	0.3	0.1	5	5	
Calcium	100,000	309,000	163,000	—	298,000	299,000	137,000		5,000	
Chromium	0.8	2.6	1.5	—	3.0	1.5	5.1	11	10	
Cobalt	0.4	0.4	0.6	—	0.6	0.6	0.6		50	
Copper	4.2	4	1.2	—	1.2	1.2	0.7	25	25	
Iron	14.1	14.1	26.4	—	9.1 J	58.5	10.5	7,000	100	
Lead	1.5	1.5	2.4	—	2.4 J	2.4 UJ	1.4	4.2	3	
Magnesium	20,100	88,200	28,800	—	50,800 J	61,600	30,100		5,000	
Manganese	2.4	0.5 J	1.4	—	1.0	1.7	0.9		15	
Mercury	0.1	0.1	0.1	—	0.1	0.1 UJ	0.1	0.2	0.2	
Nickel	0.7	2.4	2.1	—	1.2	1.1	0.4	96	40	
Potassium	6,970	6,480	6,640	—	13,100 J	8,350	6,810		5,000	
Selenium	4.4 R	4.4 UJ	4.4 R	—	6.8 J	4.4 R	3.5 UJ	8.5	5	
Silver	0.4	0.4	0.9	—	0.9	0.9	1.1	10	10	
Sodium	201,000	46,000	46,000	—	89,800	74,800	20,300		5,000	
Thallium	2.6 UJ	2.6	6.3 UJ	—	6.3	6.3	4.1	40	10	
Vanadium	0.8	0.8	1.1	—	9.9	16.7	11.3		50	
Zinc	0.6 UJ	0.6	0.7	—	0.7 J	7.0	9.9	86	20	
Inorganics - Metals and Cyanide (Total)										
Aluminum	13,400 J	32,500	16,300	—	23,700	18,300	74,200 J			
Antimony	3.7	9.7	8.2	—	3.9	5.3 J	36.7			
Arsenic	11.7	17	5.4	—	49.9 J	5.4	3.8			
Barium	89.8	129	88.1	—	159	111	181			
Beryllium	0.9	2.5	1.3	—	1.3	1.0	4.3			
Cadmium	0.2	2.8	1.2	—	0.3	0.3	0.1			
Calcium	158,000	492,000	234,000	—	337,000	342,000	568,000 J			
Chromium	33.2	59.6	31.6	—	44.0	33.4	106			
Cobalt	16.6	36.1	19.1	—	25.3	19.2	77.6			
Copper	29.3	54.5	26.9	—	25.4	25.3 J	83.7 J			
Cyanide	3.0	—	0.5	—	0.5	—	—	10	10	
Iron	31,300	74,200	41,800	—	58,100	42,400	160,000 J			
Lead	28.2	40.4	26.9 J	—	35.0	20.6 J	78.7			
Magnesium	32,500	112,000	41,900	—	62,200 J	73,500.0	86,700 J			
Manganese	555	1,410	785	—	1,880	1,960.0	4,340 J			
Mercury	0.1	0.1	0.1	—	0.1	0.1 UJ	0.2			
Nickel	31.6	67.3	37.8	—	50.1	34.8	105			
Potassium	9,290	11,800	10,600	—	17,600 J	12,600	19,100			
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	—	9.9	4.4 UJ	3.5 R			
Silver	0.4	0.4	0.9	—	0.9	0.9	1.1			
Sodium	212,000	44,600	45,000	—	89,000	78,600	19,500 J			
Thallium	2.6	11 J	6.3	—	6.3	6.3 UJ	4.1 UJ			
Vanadium	23.2	51.2	19.8	—	55.0	39.8 J	103 J			
Zinc	135 J	180	97.3	—	140	116	391			
Volatile Organic Compounds (VOCs)										
Benzene						1.0 J	0.083 J	5	10	
Carbon disulfide					0.53 J	1.0 U	1.0 U		10	
Semi-Volatile Organic Compounds (SVOCs)										
N-Nitrosodiphenylamine					0.954 U	11.6 U	10.6 U		10	
Pesticides / PCBs										

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-61**

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results									
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	55.3	55.3	55.3	55.3	16.4		200
Antimony	3.7	4.5	4.5	7.5	7.5	5.7	7.6	60	60
Arsenic	7.5	2.9	5.4	5.4	31.2 J	12.9 J	3.8	20	10
Barium	83.3	39.4	45.3 J	65.0	65.6	35.2	46.3	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.3	0.9	0.3	0.3	0.3	0.1	5	5
Calcium	191,000	191,000	178,000	199,000	216,000	183,000	211,000		5,000
Chromium	0.8	1.1	1.5	3.8	1.9	1.5	0.8	11	10
Cobalt	2.0	1.4	1.4	1.3	1.6	0.9	1.4		50
Copper	1.2	8	1.2	1.2	1.2	1.2	0.7	25	25
Iron	5,100	187	1,370 J	4,410	1,310	32.1	122	5,000	100
Lead	1.5	1.5	2.4 UJ	2.4 UJ	2.4	2.4 UJ	1.4	4.2	3
Magnesium	35,700	29,100	34,100	40,500	41,500	33,500	45,800		5,000
Manganese	866	485	481	686	564	713	953		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	4.0	4.2	4.7 J	4.0	3.6	2.0	0.4	96	40
Potassium	10,100	6,990	7,160	8,690 J	8,360 J	6,540	7,010		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	4.5	4.4 R	3.5 UJ	8.5	5
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1	10	10
Sodium	28,300	27,900	28,600	28,400 J	56,600	24,800	35,400		5,000
Thallium	2.6 UJ	2.6	6.3	8.2 J	6.3	6.3	4.1	40	10
Vanadium	0.8	1.2	1.1	4.4	8.8	9.3	12.9		50
Zinc	4.8 J	0.6	0.7 UJ	0.7	0.7	7.0	13.7	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	1,080	452	5,090 J	7,740 J	6,330 J	4,610	5,930 J		
Antimony	3.7	4.8	5.2	3.9	4.3	6.2 J	10.4		
Arsenic	3.7	2.9	5.4 UJ	5.4	40.5 J	7.6 J	8.8		
Barium	91.3	44.1	108 J	155	121 J	79.7	101.0		
Beryllium	0.1	0.2	0.6	0.2	0.2	0.2	0.2		
Cadmium	0.2	0.3	1.2	0.3	0.3	0.3	0.1		
Calcium	190,000	187,000	217,000 J	278,000	237,000	222,000	233,000 J		
Chromium	2.1	1.9	8.1 J	15.0	12.3	8.5	9.1		
Cobalt	3.3	1.7	6.5	8.2	5.8	4.7	6.4		
Copper	4.2	22.2	12.4 J	12.6 J	8.0	9.5 J	11.6 J		
Cyanide	3.0	0.5	0.5	0.8	0.5	0.5	0.6	10	10
Iron	8,640	2,430	17,500 J	26,200	16,100 J	13,500	18,200 J		
Lead	1.6	22.1	9.3 J	10.3 J	4.7 J	2.4 UJ	8.3		
Magnesium	37,500	30,000	45,200 J	59,700	45,600 J	44,500	51,700 J		
Manganese	922	527	751 J	1,190	754	923	1,110 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1		
Nickel	7.6	4.3	17.2 J	19.3	14.8	10.9	0.4		
Potassium	9,430	6,950	9,300	10,900	10,400 J	8,380	8,270		
Selenium	4.4 UJ	4.4 UJ	4.4	4.4 R	5.2 J	4.4 UJ	3.5 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	27,700	27,000	30,300 J	32,800	57,400	27,800	33,500 J		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ		
Vanadium	0.8	2.1	3.4	6.6	21.7	18.2 J	21.8 J		
Zinc	13.8 J	7.3 J	22.4 UJ	56.9 J	39.5 J	37.8	54.3		
Volatile Organic Compounds (VOCs)									
Carbon disulfide	1.0 U	1.0 U	1.0 U	0.43 J	1.0 U	1.0 U	1.0 U		10
Semi-Volatile Organic Compounds (SVOCs)									
Bis(2-Chloroethyl)ether	BRL	BRL	BRL	BRL	BRL	BRL			
Bis (2-ethylhexyl) phthalate	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.4 U	0.535 J	13.6	10
							10.0 U	49	10
Pesticides / PCBs									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-62A**

		Sampling Event (All Results Expressed in Units of µg/l)							
		Quarterly Results							
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	55.3	55.3	55.3	1,180	36.6		200
Antimony	3.7	3.7	4.7	5.4	5.4	5.5	6.7	60	60
Arsenic	2.9	2.9	5.4	5.4	16.5 J	8.1 J	3.8	20	10
Barium	126	111	117	111	68.5	125	112	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	0.3	0.3	0.3	0.3	0.1	5	5
Calcium	123,000	122,000	122,000	132,000	88,000	133,000	133,000		5,000
Chromium	0.8	2.1	2.8	4.5	3.3	4.3	0.8	11	10
Cobalt	0.4	0.5	0.6	0.6	0.6	1.2	0.6		50
Copper	2.7	1.2	1.2	1.2	1.2	1.4	0.7	25	25
Iron	14.1	14.1	27	9.1	10.2	2,870	10.5	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4	2.4 UJ	1.4	4.2	3
Magnesium	49,200	48,700	47,700	49,400	32,700	51,300	55,900		5,000
Manganese	51.4	164 J	58.2	29.2	9.7	239	65.0		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	0.9	1.8	2.2	1.1	1.1	5.1	0.4	96	40
Potassium	10,800	11,100	10,900	10,000 J	6,680 J	9,340	8,910		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	3.5 UJ	8.5	5
Silver	0.4	0.4	0.9	1.6	0.9	0.9	1.1	10	10
Sodium	120,000	120,000	108,000	120,000 J	77,000	111,000	126,000		5,000
Thallium	2.6 UJ	2.6	6.3 UJ	6.3	6.3	6.3	4.1	40	10
Vanadium	0.8	1.6	1.1	1.1	8.2	15.2	16.0		50
Zinc	0.9	0.6	3.7	0.7	5.2	15.2	5.5	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	24,100	13,200	4,100	5,690 J	12,400 J	44,600	19,800 J		
Antimony	3.7	6.1	8.0	3.9	3.9	27.5 J	15.5		
Arsenic	17.7	8.3	5.4	5.4	37.6 J	5.4	4.5		
Barium	633	361	226	237	363 J	867	464		
Beryllium	1.5	1.1	0.3	0.2	0.5	2.2	0.9		
Cadmium	1.1	1.6	0.3	0.3	0.3	9.8	0.1		
Calcium	618,000	337,000	231,000	200,000	239,000	886,000	274,000 J		
Chromium	49.5	29.6	10.7	17.8	33.9	73.4	42.5		
Cobalt	33.5	15.6	5.4	6.2	13.9	51.5	20.5		
Copper	72.8	42.7	8.8	9.6 J	25.1	86.3 J	40.8 J		
Cyanide	3.0	1.0	0.5	0.6	0.5	—	0.6	10.0	10.0
Iron	60,800	35,000	9,710	14,200	31,900 J	99,000	48,000 J		
Lead	72.8	39.5	12 J	16.8 J	23.9 J	62 J	32.3		
Magnesium	137,000	88,000	57,500	57,400	68,800 J	107,000	79,000 J		
Manganese	3,380	1,460	746	608	1,030	5,270	1,430 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1		
Nickel	64.3	35.4	13.1	12.3	35.1	101	15.8		
Potassium	15,100	13,900	12,100	12,000	13,800 J	18,700	13,200		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	4.4 R	8.1 J	4.4 UJ	3.5 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	121,000	123,000	108,000	121,000	118,000	123,000	122,000 J		
Thallium	2.6	6.9 J	6.3	6.3	6.3	6.3 UJ	4.1 UJ		
Vanadium	40.5	23.0	1.1	1.9	37.1	72.9 J	42.8 J		
Zinc	181 J	101	34.7	42.9 J	97.8 J	324	150.0		
Volatile Organic Compounds (VOCs)									
Benzene				0.035 J	1.0 U	1.0 U	1.0 U	5	10
Ethylbenzene				0.019 J	1.0 U	1.0 U	1.0 U	62	10
Xylene (total)				0.039 J	1.0 U	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-62B**

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results								TRIGGER LEVEL	CRQL
Compound	November-03	March-05	May-04	September-04	December-04	March-05	June-05		
<u>Inorganics - Metals (Dissolved)</u> ¹³	Well is Dry	Well is Dry	Insufficient Volume	Well is Dry	Insufficient Volume	Insufficient Volume	Well is Dry		
<u>Inorganics - Metals and Cyanide (Total)</u>	—	—	—	—	—	—	—		
<u>Volatile Organic Compounds (VOCs)</u>	—	—	BRL	—	BRL	BRL	—		
1,1-Dichloroethane			1.9		0.47 J	0.26 J			10
Chlorobenzene			0.29 J		1.0 U	1.0 U		26	10
Trichloroethene			0.11 J		1.0 U	1.0 U		5	10
Xylene			0.4 J		1.0 U	1.0 U		10,000	10
Benzene			6.0		1.0 U	1.0 U		5	10
<u>Semi-Volatile Organic Compounds (SVOCs)</u>	—	—	—	—	BRL	—	—		
Bis (2-Chloroethyl) ether					11.8 U			13.6	10
<u>Pesticides / PCBs</u>	—	—	—	—	—	—	—		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-63**

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results								TRIGGER LEVEL	CRQL
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05		
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	82.4	55.3	55.3	55.3	31.7		200
Antimony	3.7	3.8	11.3	5.7	6.2	7.8	6.4	60	60
Arsenic	5.4	2.9	5.4	5.4	30.4 J	14.8 J	3.8	20	10
Barium	68.6	20.1	29.9 J	50.6	41.3	31.7	31.0	1,000	200
Beryllium	0.1	0.2	0.5	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	1.3	0.3	0.3	0.3	0.1	5	5
Calcium	278,000	295,000	287,000	292,000	252,000	286,000	245,000		5,000
Chromium	0.8	1.8	1.5	4.7	3.2	1.5	0.8	11	10
Cobalt	4.1	1.1	3.6	2.9	2.6	2.4	2.1		50
Copper	1.2	2	1.2	1.2	1.2	1.2	0.7	25	25
Iron	1,150	21.4	620 J	1,150	1,220	655	1,840	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4	2.4	2.4 UJ	1.4	4.2	3
Magnesium	61,000	67,000	67,400	63,300	57,900	69,600	56,800		5,000
Manganese	2,600	271 J	1,840 J	2,610	1,970	1,530	1,980		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	6.9	3.2	8.8 J	4.0	3.8	1.6	0.4	96	40
Potassium	11,600	5,210	7,800 J	9,090 J	8,450 J	5,920	7,300		5,000
Selenium	4.4 R	4.4 UJ	4.4	4.4 UJ	6.8	4.4	3.5 J	8.5	5
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1	10	10
Sodium	72,100	46,100	75,100 J	99,800 J	50,700	44,700	66,300		5,000
Thallium	2.6 UJ	4.6	6.3	6.3	6.3	6.3	4.1	40	10
Vanadium	0.8	0.8	1.1	1.1	10.9	16.5	14.7		50
Zinc	3.7 J	0.6	0.7 UJ	0.7	0.7	8.3	10.2	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	10,500	26,600	44,700 J	37,200 J	30,700 J	62,600	99,900 J		
Antimony	3.7	5.7	13.6	3.9	3.9	30.1 J	53.5		
Arsenic	9.3	17.1	9.7 J	5.4	74.0 J	5.4	3.8		
Barium	147	186	334 J	279	244 J	393	617		
Beryllium	0.6	2.1	3.4	1.4	1.7	3.5	5.3		
Cadmium	0.2	2.5	3.9	0.3	0.3	0.3	0.1		
Calcium	465,000	465,000	659,000 J	569,000	752,000	702,000	922,000 J		
Chromium	13.7	38.2	66.8 J	52.0	41.9	67.9	120		
Cobalt	17.5	28.3	56.1	41.1	38.6	60.7	99.3		
Copper	17.4	69.2	104 J	64.0 J	43.0	124 J	187 J		
Cyanide	3.0	0.5	1.2	0.7	0.5	0.5 U	0.6	10	10
Iron	25,800	63,200	112,000 J	84,700	69,800 J	141,000	223,000 J		
Lead	23.4	41	76.4 J	57.4 J	46.6 J	85.6 J	140		
Magnesium	96,100	111,000	148,000 J	121,000	106,000 J	157,000	184,000 J		
Manganese	4,090	2,570	5,580 J	5,250	6,160	5,660	8,490 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 J	0.2		
Nickel	31	58.1	114 J	83.3	68.7	119	171		
Potassium	31,500	9,320	15,800 J	15,500	16,100 J	15,200	22,000		
Selenium	4.4 UJ	4.4 UJ	7.2	4.4 R	12.3 J	17.2 J	3.5 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	73,600	45,000	81,700 J	100,000	53,100	45,800	71,100 J		
Thallium	2.6	8.5 J	6.3	6.3	6.3	6.3 UJ	4.1 UJ		
Vanadium	17.8	43	69.3	58.7	74.1	90.7 J	1.0 J		
Zinc	66.3 J	176 J	292 J	243 J	199 J	403	637		
Volatile Organic Compounds (VOCs)									
Acetone	5.0 U	5.0 R	5.0 R	5.0 R	5.0 R	5.0 R	5.0 R		10
Benzene				0.027	1.0 U	1.0 U	0.13 J	5	10
Carbon disulfide	1.0 U	1.0 U	1.0 U	0.075 J	1.0 U	1.0 U	1.0 U		10
Ethylbenzene				0.022 J	1.0 U	1.0 U	1.0 U	62	10
Xylene (total)				0.037 J	1.0 U	1.0 U	1.0 U	10,000	10
Semi-Volatile Organic Compounds (SVOCs)									
Di-n-butylphthalate	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Butylbenzylphthalate		0.61 J	10.0 U	10.0 U	10.0 U	0.771 J	1.07 J	10	10
Pesticides / PCBs									
	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-64

		Sampling Event (All Results Expressed in Units of µg/l)							
		Quarterly Results							
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	55.3	55.3	55.3	55.3	23.4		200
Antimony	3.7	3.7	6.9	7.1	5.9	3.9	5.8	60	60
Arsenic	2.9	2.9	5.4	5.4	23.6 J	5.4	3.8	20	10
Barium	44.6	28.3	29.3	26.6	28.3	29.6	32.1	1,000	200
Beryllium	0.1	0.1	0.2	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	0.3	0.3	0.3	0.3	0.1	5	5
Calcium	185,000	176,000	170,000	184,000	173,000	182,000	181,000		5,000
Chromium	0.8	1.7	3.5	6.0	2.6	1.5	0.8	11	10
Cobalt	0.5	1.8	1.2	0.9	1.1	0.6	0.6		50
Copper	3.4	1.2	2.2	1.2	1.2	1.2	0.7	25	25
Iron	14	14	35.5	9.1	9.1	9.1	10.5	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4	2.4 UJ	1.4	4.2	3
Magnesium	61,800	56,700	55,100	59,600	58,000	59,200	57,300		5,000
Manganese	292	1,170 J	2,270	100	830	863	115		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1	0.2	0.2
Nickel	5.2	7.8	10.7	2.8	9.4	5.1	0.4	96	40
Potassium	12,300	12,900	17,500	20,400 J	18,000 J	10,200	10,100		5,000
Selenium	4.4 R	4.4 UJ	4.4 R	4.4 UJ	4.4	4.4 R	3.5 UJ	8.5	5
Silver	0.4	0.4	0.9	1.1	0.9	0.9	1.1	10	10
Sodium	67,600	53,900	61,400	64,400 J	56,200	45,000	46,300		5,000
Thallium	2.6 UJ	2.6	6.3 UJ	6.3	6.3	6.3	4.1	40	10
Vanadium	0.8	0.8	1.1	1.1	9.6	13.4	15.8		50
Zinc	2.6 J	0.6	0.7	0.7	0.7	5.1	7.5	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	18,700 J	3,080	3,440	14,600 J	15,100 J	15,800	66,200 J		
Antimony	3.7	4.9	4.8	3.9	3.9	12.0 J	33.4		
Arsenic	10.8	2.9	5.4	5.4	36.4 J	5.4	3.8		
Barium	95.9	37.1	36.6	59.8	68.7 J	66.6	174		
Beryllium	1.0	0.3	0.5	0.3	0.8	0.8	3.7		
Cadmium	0.2	0.2	0.7	0.3	0.3	0.3	0.1		
Calcium	311,000	213,000	213,000	224,000	245,000	249,000	441,000 J		
Chromium	29.4	7	2.8	24.3	28.7	22.7	93.8		
Cobalt	23.1	5.4	6.3	13.6	17.2	18.3	63.9		
Copper	16.3	11.3	7.4	14.9 J	17.7	18.2 J	66.4 J		
Cyanide	3.0	1.3	0.5	1.2	0.5	0.5	0.6	10	10
Iron	42,900	7,520	8,940	34,500	38,600 J	38,200	150,000 J		
Lead	20.0	1.5	6.2 J	14.4 J	15.1 J	11.0 J	58.9		
Magnesium	77,300	66,000	56,200	67,300	74,100 J	71,100	105,000 J		
Manganese	2,390	1,650	2,840	1,460	2,530	2,550	4,290 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1 UJ	0.1		
Nickel	46.0	16.4	20.3	32.3	42.9	36.3	102		
Potassium	14,700	15,000	18,400	23,500	21,200 J	14,500	21,000		
Selenium	4.4 UJ	4.4 UJ	4.4 UJ	4.4 R	5.1 J	4.4 UJ	3.5 R		
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1		
Sodium	68,300	59,800	58,200	63,100	56,300	49,600	46,300 J		
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1 UJ		
Vanadium	27.3	5.3	1.1	16.0	40.8	32.3 J	89.3 J		
Zinc	114 J	13.6 J	19.1	70.3 J	83.1 J	82.4	337		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Bis (2-ethylhexyl) phthalate	10.0 U	10.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	49	10
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Monitoring Well GW-65

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results									
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³	Insufficient Volume	Insufficient Volume	Insufficient Volume	Well is Dry	Insufficient Volume	Well is Dry	Well is Dry		
Antimony	—	—	—	—	—	—	—	60	60
Arsenic	—	—	—	—	—	—	—	10	10
Barium	—	—	—	—	—	—	—	1,000	200
Beryllium	—	—	—	—	—	—	—	5	5
Cadmium	—	—	—	—	—	—	—	5	5
Chromium	—	—	—	—	—	—	—	11	10
Copper	—	—	—	—	—	—	—	25	25
Iron	—	—	—	—	—	—	—	5,000	100
Lead	—	—	—	—	—	—	—	4.2	3
Mercury	—	—	—	—	—	—	—	0.2	0.2
Nickel	—	—	—	—	—	—	—	96	40
Selenium	—	—	—	—	—	—	—	5	5
Silver	—	—	—	—	—	—	—	10	10
Thallium	—	—	—	—	—	—	—	40	10
Zinc	—	—	—	—	—	—	—	86	20
Inorganics - Metals and Cyanide (Total)									
Antimony	—	—	—	—	—	—	—		
Arsenic	—	—	—	—	—	—	—		
Barium	—	—	—	—	—	—	—		
Beryllium	—	—	—	—	—	—	—		
Cadmium	—	—	—	—	—	—	—		
Chromium	—	—	—	—	—	—	—		
Copper	—	—	—	—	—	—	—		
Cyanide	—	—	—	—	—	—	—	10	10
Iron	—	—	—	—	—	—	—		
Lead	—	—	—	—	—	—	—		
Mercury	—	—	—	—	—	—	—		
Nickel	—	—	—	—	—	—	—		
Selenium	—	—	—	—	—	—	—		
Silver	—	—	—	—	—	—	—		
Thallium	—	—	—	—	—	—	—		
Zinc	—	—	—	—	—	—	—		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	—	BRL	—	—		
Semi-Volatile Organic Compounds (SVOCs)	BRL	—	BRL	—	—	—	—		
4-Nitrophenol	10.0 U							150	25
Bis (2-ethylhexyl) phthalate	10.0 U							49	10
Pesticides / PCBs	—	—	—	—	—	—	—		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UI
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UI = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a 0.45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-50**

Sampling Event (All Results Expressed in Units of µg/l)								
Quarterly Results								
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL
Inorganics - Metals (Dissolved)¹³								
Aluminum	25.8	25.8	74.3	55.3	55.3	55.3	25.2	200
Antimony	3.7	3.7	4.7	9.9	3.9	5.9	4.0	60
Arsenic	2.9	2.9	5.4	5.4	13.1 J	5.4	6.8	20
Barium	40.0	35.8	50.9	56.3	38.4	40.2	53.1	1,000
Beryllium	0.1	0.1	0.3	0.2	0.2	0.2	0.1	5
Cadmium	0.2	0.1	1.2	0.3	0.3	0.3	0.1	5
Calcium	84,100	103,000	92,300	95,700	10,900	93,500	89,000	5,000
Chromium	0.8	1.6	1.5	3.5	3.8 J	1.5	5.4	11
Cobalt	0.5	0.4	0.6	0.6	0.6	0.6	0.6	50
Copper	4.4	4.3	1.4	1.2	1.2	1.2	0.7	25
Iron	14.1	14.1	36.5	9.1	9.1	9.1	10.5	7,000
Lead	1.5	1.5	2.4	2.4 UJ	2.4 UJ	2.4 UJ	1.4 UJ	4.2
Magnesium	23,400	29,700	28,600	28,500	30,500	30,900	28,000	5,000
Manganese	3.8	30.0 J	5.0	27.1	2.8	0.9	7.4 J	15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Nickel	0.7	1	2.8	1.1	1.1	1.1	0.4 UJ	96
Potassium	3,840	2,980	3,160	4,340	2,180	1,870	3,460	5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 R	7.9 J	4.4 R	3.5 R	8.5
Silver	0.4	0.4	0.9	1.3	1.0	0.9	1.1	10
Sodium	32,100	59,200	38,700	49,200 J	45,800	90,000	53,000	5,000
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1	40
Vanadium	0.8	2.2	1.1	4.0	7.8	9.5	11.5	50
Zinc	0.6 UJ	0.6	0.7 UJ	0.7	0.7	3.7	8.3	86
Inorganics - Metals and Cyanide (Total)								
Aluminum	25.8	62,300 J	100	55.3	55.3	55.3	46.2	
Antimony	3.7	7.3 J	3.9	3.9	3.9	3.9	4.0	
Arsenic	3.4	50.7 J	5.4	5.4	18.2	5.4	7.2	
Barium	41.3	499 J	53	57.6	39.1	40.1	50.5	
Beryllium	0.1	4.9	0.2	0.2	0.2	0.2	0.1	
Cadmium	0.2	5	0.9	0.3	0.3	0.3	0.1	
Calcium	86,400	427,000 J	93,500	93,400	106,000	92,900	85,200	
Chromium	0.8	72.6 J	1.5	2.9	2.2	1.5	29.8	
Cobalt	0.4	59.7	0.6	0.6	0.6	0.6	0.6	
Copper	4.4	131 J	1.2	1.2	1.2	1.2	1.4	
Cyanide	3.0	0.8	0.5	0.5	0.5	0.6	0.6	10
Iron	69.2	124,000 J	102	9.1	34.2	15.0	132.0	
Lead	1.5	122 J	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ	
Magnesium	23,900	80,300	30,200	26,800	30,600	30,200	26,500	
Manganese	5.8	5,690	8.1	43.3	4.5	1.2	10.4 J	
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Nickel	0.7	116 J	1.1	1.1	1.1	1.1	0.4 UJ	
Potassium	3,990	12,200	3,230	3,910	2,150	1,760	3,310	
Selenium	4.4 R	4.4 R	4.4	4.4 R	4.4 UJ	4.4 R	3.5 R	
Silver	0.4	0.4	0.9	0.9	0.9	0.9	1.1	
Sodium	33,000	60,200	40,300	48,100	44,600	89,000	51,200	
Thallium	2.6	2.6	6.3	6.3	7.4 J	6.3	4.1	
Vanadium	0.8	105	1.1	1.1	6.3	9.7	11.8	
Zinc	1.3 J	490 J	0.7 UJ	0.7	0.7	1.7	7.1 J	
Volatile Organic Compounds (VOCs)								
Acetone	BRL	BRL	BRL	BRL	BRL	BRL	BRL	
1,2,4-Trichlorobenzene				0.026 J	1.0 U	2.2 R	5.0 U	10
Chloroform				0.019 J	1.0 U	1.0 U	1.0 U	77
Carbon Disulfide					0.53 J	1.0 U	1.0 U	79
Semi-Volatile Organic Compounds (SVOCs)								
Fluoranthene	BRL	10.0 U	BRL	BRL	BRL	BRL	BRL	
Phenanthrene		0.84 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10
Pyrene		0.79 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10
Diethylphthalate		0.67 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10
	2.17 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10
Pesticides / PCBs								
	BRL	BRL	BRL	BRL	BRL	BRL	BRL	

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-51**

	Sampling Event (All Results Expressed in Units of µg/l)								
	Quarterly Results								
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	89.6	55.3	55.3	55.3	18.1		200
Antimony	3.7	3.7	3.9	3.9	3.9	3.9	4.0	60	60
Arsenic	3.2	2.9	5.4	7.7	12.1 J	5.4	8.7	20	10
Barium	42.2	35.8	46.2	51.0	39.1	41	48.6	1,000	200
Beryllium	0.1	0.1	0.3	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.1	1.2	0.3	0.3	0.3	0.1	5	5
Calcium	88,800	106,000	89,600	89,300	110,000	95,500	94,700		5,000
Chromium	0.8	1.6	1.5	3.1	1.5 J	1.5	12.7	11	10
Cobalt	0.4	0.4	0.6	0.6	0.6	0.6	0.6		50
Copper	5.1	4.3	1.2	1.2	1.2	1.2	0.7	25	25
Iron	14.1	14.1	41.5	9.1	9.1	9.1	35.3	7,000	100
Lead	1.5	1.5	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ	4.2	3
Magnesium	24,700	31,500	29,200	29,300	32,000	31,500	29,400		5,000
Manganese	4.6	29.9 J	4.3	2.6	5.6	1.3	4.8 J		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	0.7	1.0	2.5	1.1	1.1	1.1	0.4 UJ	96	40
Potassium	3,910	2,160	3,010	3,960	2,160	1,800	3,060		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 R	4.4 UJ	4.4 R	3.5 R	8.5	5
Silver	0.4	0.4	0.9	1.2	0.9	0.9	1.1	10	10
Sodium	34,000	60,200	41,100	49,200 J	46,700	102,000	53,700		5,000
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1	40	10
Vanadium	0.8	2.4	1.1	1.1	7.0	9.5	13.2		50
Zinc	0.6 UJ	0.6	0.7 UJ	0.7	0.7	2.5	9.3	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	25.8	9,250 J	55.3	55.3	55.3	55.3	43.6		
Antimony	3.7	7.3 J	4.6	6.7	3.9	3.9	4.0		
Arsenic	2.9	50.7 J	5.4	5.4	19.4	5.4	9.1		
Barium	42.6	499 J	48.9	50.7	39.7	40.0	50.4		
Beryllium	0.1	4.9	0.2	0.2	0.2	0.2	0.1		
Cadmium	0.2	5	0.7	0.3	0.3	0.3	0.1		
Calcium	86,700	153,000 J	89,900	89,400	110,000	90,500	95,300		
Chromium	0.8	72.6 J	1.5	2.6	1.7	1.5	7.6		
Cobalt	0.4	7.8	0.6	0.6	0.6	0.6	0.6		
Copper	3.2	131 J	1.2	1.2	1.2	1.2	0.7		
Cyanide	3.0	0.8	0.5	0.5	0.5	0.6	0.6	10	10
Iron	83.8	124,000 J	63.6	82.8	39.0	28.6	27.9 U		
Lead	1.5	122 J	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ		
Magnesium	23,900	38,900 J	26,900	27,300	32,500	29,800	30,600		
Manganese	6.5	685 J	7.1	12.2	6.7	2.4	5.4 J		
Mercury	0.1	0.1	0.1	0.1	0.100	0.1	0.1		
Nickel	0.7	116 J	1.3	1.1	1.100	1.1	0.4 UJ		
Potassium	3,820	4,470	2,870	3,890	2,130	1,760.0	3,080		
Selenium	4.4 R	4.4 R	4.4	4.4 R	4.6 J	4.4 R	3.5 R		
Silver	0.4	0.4	0.9	1.1	0.9	0.9	1.1		
Sodium	32,800	61,800	40,900	49,400	44,900	100,000	56,100		
Thallium	2.6	2.6	6.3	6.3	6.3 UJ	6.3	4.1		
Vanadium	0.8	18.7 J	1.1	1.1	6.8	9.2	12.9		
Zinc	0.6 UJ	490 J	0.7 UJ	0.7	0.7	2.4	4.8 J		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Acetone					5.0 R	5.0 R	5.0 R		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Creek Surface Water Sample Location SW-52**

		Sampling Event (All Results Expressed in Units of µg/l)							
		Quarterly Results							
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved) ¹³									
Aluminum	25.8	25.8	81.9	55.3	55.3	55.3	30.0		200
Antimony	3.7	3.7	5.5	8.8	3.9	3.9	4.0	60	60
Arsenic	2.9	2.9	5.4	5.4	20.1 J	10.0 J	3.8	20	10
Barium	40.7	36.7	50.7	54.3	40.4	42.2	48.2	1,000	200
Beryllium	0.1	0.1	0.3	0.2	0.2	0.2	0.1	5	5
Cadmium	0.2	0.2	1.1	0.3	0.3	0.3	0.1	5	5
Calcium	86,000	107,000	92,700	96,400	112,000	97,600	94,500		5,000
Chromium	0.8	1.7	1.5	3.0	1.6 J	1.5	0.8	11	10
Cobalt	0.4	0.4	0.6	0.6	0.6	0.6	0.6		50
Copper	3.7	3	1.5	1.2	1.2	1.2	0.7	25	25
Iron	14.1	14.1	52.3	9.1	9.1	9.1	10.5	7,000	100
Lead	1.5	1.5	2.4 UJ	2.4	2.4 UJ	2.4 UJ	1.4 UJ	4.2	3
Magnesium	23,500	30,700	29,200	27,300	32,100	31,500	26,100		5,000
Manganese	5.0	1.5 J	5.1	24.0	5.0	1.3	3.9 J		15
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Nickel	0.7	2.4	2.1	1.1	1.1	1.1	0.4 UJ	96	40
Potassium	3,720	1,900	3,260	3,600	2,100	1,660	3,510		5,000
Selenium	4.4 R	4.4 R	4.4 R	4.4 R	4.4 UJ	4.4 R	3.5 R	8.5	5
Silver	0.4	0.4	0.9	1.5	0.9	0.9	1.1	10	10
Sodium	32,900	61,400	39,400	49,600 J	49,700	88,900	54,900		5,000
Thallium	2.6	2.6	6.3	6.3	6.3	6.3 UJ	4.1	40	10
Vanadium	0.8	1.9	1.1	1.1	8.0	9.8	10.9		50
Zinc	1.5 J	3.4	0.7 UJ	0.7	0.7	3.6	8.9	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	25.8	26.8 J	100	55.3	55.3	55.3	97.2		
Antimony	3.7	3.7 UJ	3.9	3.9	4.6	3.9	4.0		
Arsenic	2.9	11.1 J	5.4	5.4	20.1	9.8 J	3.9		
Barium	41.2	112 J	51.6	53.3	42.3	39.9	49.5		
Beryllium	0.1	0.7	0.2	0.2	0.2	0.2	0.1		
Cadmium	0.2	0.5	1.1	0.3	0.3	0.3	0.1		
Calcium	84,800	108,000 J	98,900	98,000	10,900	90,100	89,800		
Chromium	0.8	12.7 J	1.5	3.0	1.9	1.5	5.1		
Cobalt	0.4	0.5	0.6	0.6	0.6	0.6	0.6		
Copper	3.3	22 J	1.2	1.2	1.2	1.2	0.7		
Cyanide	3.0	0.6	0.5	0.5	0.5	0.6	0.6	10	10
Iron	79.6	17800 J	81.7	88.8	55.9	24.2	38.3 U		
Lead	1.5	17.3 J	2.4	2.4	2.4 UJ	2.4 UJ	1.4 UJ		
Manganese	23,300	31,100 J	29,700	26,200	31,100	28,700	25,600		
Manganese	6.8	3.2 J	9.8	28.1	7.3	1.5	7.6 J		
Mercury	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Nickel	0.7	16.4 J	1.4	1.1	1.1	1.1	0.4 UJ		
Potassium	3,710	1,900	2,940	3,700	2,210	1,580	3,400		
Selenium	4.4 R	4.4 R	4.4	4.4 R	4.4 UJ	4.4 R	3.5 R		
Silver	0.4	0.4	0.9	1.2	0.9	0.9	1.1		
Sodium	32,800	61,200	40,000	51,100	50,300	85,600	52,800		
Thallium	2.6	2.6	10.2 J	6.3	6.3 UJ	6.3	4.1		
Vanadium	0.8	2.2 J	1.1	1.1	6.9	9.9	10.9		
Zinc	0.6 UJ	52.9 J	0.7 UJ	0.7	0.7	0.7	5.6		
Volatile Organic Compounds (VOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Semi-Volatile Organic Compounds (SVOCs)	BRL	BRL	BRL	BRL	BRL	BRL	BRL		
Pesticides / PCBs	BRL	BRL	BRL	BRL	BRL	BRL	BRL		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Well Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

**Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-1**

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results								TRIGGER LEVEL	CRQL
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05		
<u>Inorganics - Metals (Dissolved)</u> ¹³	Location is Dry	Location is Dry	Location is Dry	Location is Dry	Location is Dry	Location is Dry	Location is Dry		
Antimony	—	—	—	—	—	—	—	60	60
Arsenic	—	—	—	—	—	—	—	10	10
Barium	—	—	—	—	—	—	—	1,000	200
Beryllium	—	—	—	—	—	—	—	5	5
Cadmium	—	—	—	—	—	—	—	5	5
Chromium	—	—	—	—	—	—	—	11	10
Copper	—	—	—	—	—	—	—	25	25
Iron	—	—	—	—	—	—	—	5,000	100
Lead	—	—	—	—	—	—	—	4.2	3
Mercury	—	—	—	—	—	—	—	0.2	0.2
Nickel	—	—	—	—	—	—	—	96	40
Selenium	—	—	—	—	—	—	—	5	5
Silver	—	—	—	—	—	—	—	10	10
Thallium	—	—	—	—	—	—	—	40	10
Zinc	—	—	—	—	—	—	—	86	20
<u>Inorganics - Metals and Cyanide</u>									
(Total)									
Antimony	—	—	—	—	—	—	—		
Arsenic	—	—	—	—	—	—	—		
Barium	—	—	—	—	—	—	—		
Beryllium	—	—	—	—	—	—	—		
Cadmium	—	—	—	—	—	—	—		
Chromium	—	—	—	—	—	—	—		
Copper	—	—	—	—	—	—	—		
Cyanide	—	—	—	—	—	—	—	10	10
Iron	—	—	—	—	—	—	—		
Lead	—	—	—	—	—	—	—		
Mercury	—	—	—	—	—	—	—		
Nickel	—	—	—	—	—	—	—		
Selenium	—	—	—	—	—	—	—		
Silver	—	—	—	—	—	—	—		
Thallium	—	—	—	—	—	—	—		
Zinc	—	—	—	—	—	—	—		
<u>Volatile Organic Compounds (VOCs)</u>	—	—	—	—	—	—	—		
<u>Semi-Volatile Organic Compounds (SVOCs)</u>	—	—	—	—	—	—	—		
<u>Pesticides / PCBs</u>	—	—	—	—	—	—	—		

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Location is Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-2

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results								TRIGGER LEVEL	CRQL
Compound	November-03	March-04	May-05	September-04	December-04	March-05	June-05		
<u>Inorganics - Metals (Dissolved)¹³</u>	Location is Dry	Location is Dry	Location is Dry	Location is Dry		Location is Dry	Location is Dry		
Aluminum	—	—	—	—	55.3	—	—		200
Antimony	—	—	—	—	3.9	—	—	60	60
Arsenic	—	—	—	—	37.4	—	—	20	10
Barium	—	—	—	—	9.5	—	—	1,000	200
Beryllium	—	—	—	—	0.2	—	—	5	5
Cadmium	—	—	—	—	0.3	—	—	5	5
Calcium	—	—	—	—	202,000 J	—	—		5,000
Chromium	—	—	—	—	2.8	—	—	11	10
Cobalt	—	—	—	—	0.6	—	—		50
Copper	—	—	—	—	1.2	—	—	25	25
Iron	—	—	—	—	14.3	—	—	7,000	100
Lead	—	—	—	—	2.4	—	—	4.2	3
Magnesium	—	—	—	—	66,900	—	—		5,000
Manganese	—	—	—	—	0.6	—	—		15
Mercury	—	—	—	—	0.1 UJ	—	—	0.2	0.2
Nickel	—	—	—	—	3.5	—	—	96	40
Potassium	—	—	—	—	3,970	—	—		5,000
Selenium	—	—	—	—	4.4	—	—	8.5	5
Silver	—	—	—	—	0.9	—	—	10	10
Sodium	—	—	—	—	6,580	—	—		5,000
Thallium	—	—	—	—	6.3	—	—	40	10
Vanadium	—	—	—	—	7.6	—	—		50
Zinc	—	—	—	—	0.7	—	—	86	20
<u>Inorganics - Metals and Cyanide</u>									
<u>(Total)</u>									
Aluminum	—	—	—	—	55.3	—	—		
Antimony	—	—	—	—	3.9	—	—		
Arsenic	—	—	—	—	38.7	—	—		
Barium	—	—	—	—	9.9	—	—		
Beryllium	—	—	—	—	0.2	—	—		
Cadmium	—	—	—	—	0.3	—	—		
Calcium	—	—	—	—	209,000 J	—	—		
Chromium	—	—	—	—	2.8	—	—		
Cobalt	—	—	—	—	0.6	—	—		
Copper	—	—	—	—	1.2	—	—		
Cyanide	—	—	—	—	0.6	—	—	10	10
Iron	—	—	—	—	31.3	—	—		
Lead	—	—	—	—	2.4	—	—		
Magnesium	—	—	—	—	67,900	—	—		
Manganese	—	—	—	—	2.8	—	—		
Mercury	—	—	—	—	0.1 UJ	—	—		
Nickel	—	—	—	—	1.1	—	—		
Potassium	—	—	—	—	4,010	—	—		
Selenium	—	—	—	—	4.4	—	—		
Silver	—	—	—	—	0.9	—	—		
Sodium	—	—	—	—	5,360	—	—		
Thallium	—	—	—	—	6.3	—	—		
Vanadium	—	—	—	—	6.7	—	—		
Zinc	—	—	—	—	0.7	—	—		
<u>Volatile Organic Compounds (VOCs)</u>	—	—	—	—	BRL	—	—		
<u>Semi-Volatile Organic Compounds (SVOCs)</u>	—	—	—	—	BRL	—	—		
<u>Pesticides / PCBs</u>	—	—	—	—	BRL	—	—		

Notes:

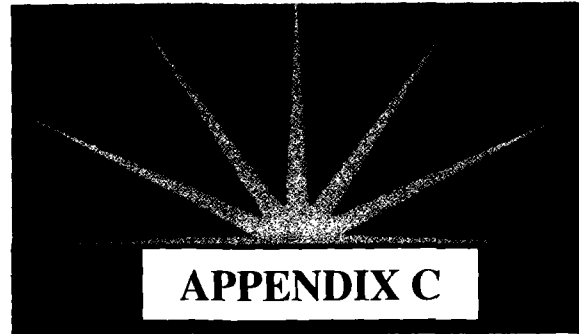
- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL)
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Location is Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.

Skinner Landfill
West Chester, Ohio
Groundwater Analysis Summary Table for Outfall Surface Water Run Off Location SWD-3

Sampling Event (All Results Expressed in Units of µg/l)									
Quarterly Results									
Compound	November-03	March-04	May-04	September-04	December-04	March-05	June-05	TRIGGER LEVEL	CRQL
Inorganics - Metals (Dissolved)¹³				Location is Dry		Location is Dry			
Aluminum	98.7	34.6	55.3	—	55.3 U	65.5	—		200
Antimony	3.7	3.7	3.9	—	3.9	25.0	—	60	60
Arsenic	2.9	5.3	5.4	—	30.2	5.4	—	20	10
Barium	40.1	29.8	32.7	—	31.1	24.4	—	1,000	200
Beryllium	0.1	0.2	0.2	—	0.2	0.2	—	5	5
Cadmium	0.2	0.2	0.3	—	0.3	0.3	—	5	5
Calcium	130,000	125,000	107,000	—	131,000 J	93,300	—		5,000
Chromium	1.4	0.8	1.5	—	2.2	1.7	—	11	10
Cobalt	0.4	0.4	0.6	—	0.9	0.6	—		50
Copper	10.4	4.6 J	1.2	—	2.8	1.2	—	25	25
Iron	59.0	17.2	22.2	—	17.8	17.3	—	7,000	100
Lead	1.5	1.5	2.4	—	2.4	2.4 UJ	—	4.2	3
Magnesium	28,500	30,400	27,800	—	26,100	21,400	—		5,000
Manganese	10.9	3.0	77.2	—	4.3	20.5	—		15
Mercury	0.1 UJ	0.1	0.1	—	0.1 UJ	0.1	—	0.2	0.2
Nickel	0.7	1.4	1.2	—	2.1	1.1	—	96	40
Potassium	3,870	3,570	4,200	—	3,390	3,660	—		5,000
Selenium	4.4	4.4 UJ	4.4 R	—	4.4	4.4 UJ	—	8.5	5
Silver	0.4	0.4	0.9	—	0.9	0.9	—	10	10
Sodium	11,100	12,200	14,800	—	10,300	8,870	—		5,000
Thallium	2.6	2.6	6.3	—	6.3	6.3	—	40	10
Vanadium	2.2	0.8	1.1	—	4.0	10.0	—		50
Zinc	91.6 J	0.6	0.7	—	27.0	0.7	—	86	20
Inorganics - Metals and Cyanide (Total)									
Aluminum	177	1,800	199	—	55.3	560	—		
Antimony	3.7	5.2	3.9	—	3.9	3.9	—		
Arsenic	2.9	2.9	5.4	—	25.5	5.4	—		
Barium	37.0	40	33.1	—	32.8	29.5	—		
Beryllium	0.1	0.2	0.2	—	0.2	0.2	—		
Cadmium	0.2	0.2	0.3	—	0.3	0.3	—		
Calcium	12,100	131,000	108,000	—	135,000 J	104,000	—		
Chromium	1.0	1.4	1.5	—	1.5	1.5	—		
Cobalt	0.4	1.5	0.6	—	0.6	0.6	—		
Copper	14.8	11 J	1.2	—	7.8	1.2	—		
Cyanide	3.0	0.8	0.8	—	0.5	0.8	—	10	10
Iron	155	2200	258	—	67.8	814	—		
Lead	1.5	1.5	2.4	—	2.4	2.4 UJ	—		
Magnesium	26,600	31,600	28,700	—	27,400	23,900	—		
Manganese	16.5	87.5	87.9	—	3.2	42.6	—		
Mercury	0.1 UJ	0.1	0.1	—	0.1 UJ	0.1	—		
Nickel	0.7	2.5	1.2	—	1.1	1.1	—		
Potassium	3,560	4,170	4,100	—	3,450	4,020	—		
Selenium	4.4	4.4 R	4.4 UJ	—	4.4	4.4	—		
Silver	0.4	0.4	0.9	—	0.9	0.9	—		
Sodium	10,300	12,600	14,100	—	10,400	9,320	—		
Thallium	2.6	2.6	6.3	—	6.3	6.3	—		
Vanadium	0.8	2.2	1.1	—	4.7	10.4	—		
Zinc	32.6 J	14.6	1.3	—	7.3	0.7	—		
Volatile Organic Compounds (VOCs)									
BRL	BRL	BRL	BRL	—	BRL	BRL	—		
Semi-Volatile Organic Compounds (SVOCs)									
BRL	BRL	BRL	BRL	—	BRL	BRL	—		
Acenaphthene						0.911 J		\$20	10
Fluorene						0.503 J			10
Phenanthrene						1.02 J		10	10
Pesticides / PCBs									
BRL	BRL	BRL	BRL	—	BRL	BRL	—	BRL	

Notes:

- 1) All results expressed in micrograms per liter (µg/L).
- 2) Standard Inorganic Data Qualifiers have been used.
- 3) Yellow shading indicate a detection above the Contract Required Quantitation Limit (CRQL).
- 4) Bold red letters with a thick outline indicates a detection above the Trigger Level.
- 5) BRL = Below Report Limit; reported data values have a data qualifier of U, J, or UJ
- 6) — = No Sample Available (Location is Dry)
- 7) U = Not detected at the listed reporting limit.
- 8) B = An estimated value above the method detection limit (MDL) or the instrument detection limit (IDL) but below the CRQL.
- 9) UJ = A value less than the CRQL but greater than the MDL.
- 10) J = The analyte was positively identified; the associated numerical value is the approximate concentration of analyte in the sample.
- 11) R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte can not be verified.
- 12) CRQL = Contract Required Quantitation Limit
- 13) Samples analyzed for Dissolved Inorganics were field filtered using a .45 micron, gravity flow filter.
- 14) Detailed summary tables which list report limits and qualified data values for each compound analyzed for by the laboratory as well as qualified laboratory reports are available upon request.



LABORATORY DATA VALIDATION REPORT

DATA VALIDATION REPORT
FOR
SKINNER LANDFILL SITE
EARTH TECH: PROJECT NUMBER 54280
LABORATORY REPORT NUMBER 205061509
PROJECT MANAGER: Ron Rolker
Date: September 7, 2005
Data Validator: Mark Kromis

LIST OF ACRONYMS

BFB	Bromofluorobenzene
CC	Continuing Calibration
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blanks
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
DFTPP	Decafluorotriphenylphosphine
GC/MS	Gas Chromatograph/Mass Spectrometer
IC	Initial Calibration
ICB	Initial Calibration Blank
IDL	Instrument Detection Limit
ICP	Inductively Coupled Plasma
ICS	Interference Check Sample
ICV	Initial Calibration Verification
ILM	Inorganic Analysis Multi-Media Multi-Concentration
INDAM	Individual A Mixture
INDBM	Individual B Mixture
mg/L	milligrams per liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
OLC	Organic Analysis Low Concentration
OLM	Organic Analysis Multi-Media Multi-Concentration
%D	Percent Difference
% RSD	Percent Relative Standard Deviation
PB	Preparation Blanks
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RRF	Relative Response Factor
SDG	Sample Delivery Group
SOW	Statement of Work
µg/L	micrograms per liter
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
VTSR	Validated Time of Sample Receipt

Case Narrative

The data validator contacted GACL because of several discrepancies that were discovered during the data validation process. The discrepancies noted are as follows:

1. There was no documentation for the Volatiles Continuing Calibration (CC) dated 6/23/05.
2. There were two GCAL ID numbers listed on page five of the data package submittal that had two different Earth Tech ID numbers.
3. There was no indication of why GCAL ID numbers 20, 26, 37, and 38 were not listed on page five of the data package submittal.

GCAL comments are provided below:

GCAL provided the Volatiles CC dated 6/23/05 (addition of page 163A through 163I).

The duplication of GCAL ID 20506150930 was a mistake made in log-in when the samples had to be re-logged for re-extraction. The re-extracted sample has been given a new number of 20506150942 and the package corrected to reflect the new number.

Several samples were not included in the report sample summary. Samples 20, 26, and 37 were all associated with sample SKGW66-1014. Sample 20 was the parent sample, 26 was the dissolved metals prep, and 37 was the re-extract of sample 20 for pesticides. To report both a sample and the re-extract, the sample originally logged into the LIMS should be given a new GCAL ID number with a new client ID of "Client ID-RE". On June 23, 2005 Pat Higgins, in an e-mail, requested that Dana revise the chain of custody to delete sample SKGW66-1014. Sample 38 (SKGW60-1014) was scheduled for re-extraction and then cancelled because there was not enough sample to re-extract. There was also insufficient sample left for the re-extraction of SKGW06R-1014.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205061509 INORGANICS

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 205061509.

GCAL #	Sample Description
20506150901	SKGW06R-1014
20506150902	SKGW07R-1014
20506150904	SKGW06R-1014 (DISS)
20506150905	SKGW07R-1014 (DISS)
20506150907	SKGW59-1014
20506150908	SKGW59-1014 DUP
20506150909	SKGW61-1014
20506150910	SKGW64-1014
20506150911	SKGW63-1014
20506150912	SKGW62A-1014
20506150914	SKGW59-1014 (DISS)
20506150915	SKGW59-1014 (DISS) DUP
20506150916	SKGW61-1014 (DISS)
20506150917	SKGW64-1014 (DISS)
20506150918	SKGW63-1014 (DISS)
20506150919	SKGW62A-1014 (DISS)
20506150921	SKGW60-1014
20506150922	SKGW58-1014
20506150923	SKGW58-1014 MS
20506150925	SKGW58-1014 DUP
20506150927	SKGW60-1014 (DISS)
20506150928	SKGW58-1014 (DISS)
20506150929	SKGW58-1014 MS (DISS)
20506150930	SKGW58-1014 DUP (DISS)

INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Calibration
 - A. Initial Calibration (IC)
 - B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis
8. ICP Serial Dilution
9. System Performance

10. Documentation

11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium in the ICB and CCB#5 and Iron in the PB for the run dated 6/30/05. As per the National Functional Guidelines; sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as (U). If any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. Technically the samples should have been re-digested and re-analyzed for Selenium and Iron.

4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

6. DUPLICATE ANALYSIS

The laboratory used sample SKGW58-1014 (total and dissolved fractions) for the duplicate sample. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SKGW58-1014 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Selenium (0%) and Thallium (64%) in the total fraction. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Arsenic (129%) and Selenium (41%) in the dissolved fraction. As per the National Functional Guidelines: if the percent recovery is less than 75% but greater than 30% then qualify detected results for that analyte with "J" and non-detected results with "UJ". If the percent recovery is less than 30% qualify detected results with "J" and non-detected results with "R". If the percent recovery is greater than 125% qualify detected results with "J".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Aluminum, Calcium, Iron, Copper, Magnesium, Manganese, Sodium, and Vanadium associated with the total fraction. As per the National Functional Guidelines, if the serial dilution criterion is not met then qualify the associated results for that analyte with "J".

9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

10. DOCUMENTATION

The documentation submitted for review appeared accurate and in order with the exception of an "E" qualifier associated with the Potassium result for sample SKGW-58-1014. The laboratory qualified the lead result with an "E" when the %Difference for the serial dilution was actually within the acceptance criteria. The data validator crossed out the "E" qualifier with a single line and dated and initialized the correction.

11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 98%, 80%, and 77%.

The percent recoveries for Nickel in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 80%, 78%, and 79%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 116%, 122%, and 143%.

The percent recoveries for Zinc in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 109%, 136%, and 118%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 7/1/05 were 102%, 73%, and 78%.

The percent recoveries for Nickel in the Contract Required Detection Limit (CRDL) standards analyzed on 7/1/05 were 68%, 64%, and 65%.

If the CRDL is greater than 120% then detected results greater than the IDL but less than two times the CRDL are qualified as estimated with "J". If the CRDL is below 80% then detected results are qualified as estimated with "J" and the non-detected results were qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205061509 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 205061509.

GCAL #	Sample Description
20506150901	SKGW06R-1014
20506150902	SKGW07R-1014
20506150907	SKGW59-1014
20506150908	SKGW59-1014 DUP
20506150909	SKGW61-1014
20506150910	SKGW64-1014
20506150911	SKGW63-1014
20506150912	SKGW62A-1014
20506150921	SKGW60-1014
20506150922	SKGW58-1014
20506150923	SKGW58-1014 MS
20506150924	SKGW58-1014 MSD

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
 - A. IC
 - B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Internal Standards Performance
8. Compound Identification
9. Constituent Quantitation and Reported Detection Limits
10. System Performance
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. One decafluorotriphenylphosphine (DFTPP) tune was run representing the shift in which the standards and samples were analyzed. The DFTPP tune is acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 7/14/05 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF were within the acceptance criteria specified in the method for all reported analytes.

B. Continuing Calibration

One CC dated 7/14/05 was analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRF's for the CC are within the acceptance criteria. The percent difference (%D) between the average RRF's and the CC Response Factors were within the acceptance criteria.

4. BLANKS

One laboratory semivolatile method blank was analyzed with this SDG. The results are summarized below.

Method Blank (MB250947)

Di-n-butylphthalate (0.949 ppb) and Bis-(2-ethylhexyl) phthalate (1.30 ppb) were detected in the blank extracted on 6/20/05.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits with the exception of Trephenyl-d14 associated with samples SKGW631014 (32%), SKGW58-1014 MS (25%) and SKGW58-1014 MSD (31%) and 2,4,6-Tribromophenol associated with sample SKGW60-1014 (128%). As per the National Functional Guidelines, no action is taken when only one SMC is outside of the acceptance criteria.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SKGW58-1014 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 4-Nitrophenol associated with the MSD. The %RPD between the MS/MSD are within the acceptance criteria with the exception of the %RPD for Pyrene. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard areas and retention times were within acceptable limits for the reported semivolatile sample analyses.

8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents

10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

11. DOCUMENTATION

The documentation appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

**DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205061509
VOLATILE ORGANIC**

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205061509.

GCAL #	Sample Description
20506150901	SKGW06R-1014
20506150902	SKGW07R-1014
20506150903	Trip Blank
20506150907	SKGW59-1014
20506150908	SKGW59-1014 DUP
20506150909	SKGW61-1014
20506150910	SKGW64-1014
20506150911	SKGW63-1014
20506150912	SKGW62A-1014
20506150913	Trip Blank
20506150921	SKGW60-1014
20506150922	SKGW58-1014
20506150923	SKGW58-1014 MS
20506150924	SKGW58-1014 MSD

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J** The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times**
- 2. GC/MS Tuning**
- 3. Calibration**
 - A. IC**
 - B. CC**
- 4. Blanks**
- 5. System Monitoring Compound Recovery**
- 6. MS/MSD**
- 7. Laboratory Control Sample**
- 8. Internal Standards Performance**
- 9. Compound Identification**
- 10. Constituent Quantitation and Reported Detection Limits**
- 11. System Performance**
- 12. Documentation**
- 13. Overall Assessment**

1. HOLDING TIMES

All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on two GC/MS systems, identified as MSV4. Two bromofluorobenzene (BFB) tunes were run on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 6/22/05 was analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC's dated 6/22/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. As per the National Functional Guidelines, if any initial calibration RRF is less than 0.05, qualify positive results that have acceptable mass spectral identification with "J", using professional judgment, and non-detected analytes as unusable (R). It should be noted that the laboratory did meet the minimum RRF of 0.01 for all target compounds.

The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of 1,2,4-Trichlorobenzene. As per the National Functional Guidelines, if the %RSD is greater than 30% then qualify the associated detected results for that compound(s) with "J".

B. Continuing Calibration

Two CC's dated 6/22/05 and 6/23/05 were analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC RF's were within the acceptance criteria for all target compounds.

The CC RRF's for the CC dated 6/22/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The Acetone results were previously qualified under section 3A above.

The CC RRF's for the CC dated 6/23/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The Acetone results were previously qualified under section 3A above.

4. BLANKS

Two laboratory volatile method blanks, storage blank and two Trip Blanks were analyzed with this SDG. The results are summarized below.

MB251392

There were no target compounds detected in the method blank analyzed on 6/22/05.

MB251940

There were no target compounds detected in the method blank analyzed on 6/23/05.

Storage Blank (VHBLK)

Methylene chloride (0.045 ppb) was detected in the Storage Blank analyzed on 6/23/05.

Trip Blank

Methylene chloride (0.079 ppb) was detected in the Trip Blank associated with the samples that were collected on 6/14/05. The result was mitigated by the presence of Methylene chloride in the associated Storage Blank.

Trip Blank

Methylene chloride (0.043 ppb) was detected in the Trip Blank associated with the samples that were collected on 6/15/05. The result was mitigated by the presence of Methylene chloride in the associated Storage Blank.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds were recovered within acceptable control limits (80%-120%) for all samples.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKGW58-1014 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

Two Laboratory Control Samples were analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

12. DOCUMENTATION

There was no VOA CC data dated 6/23/05 included in SDG 205061509. The data validator contacted GCAL and the laboratory supplied the missing data.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

**DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205061509
PESTICIDES**

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205061509.

GCAL #	Sample Description
20506150901	SKGW06R-1014
20506150902	SKGW07R-1014
20506150907	SKGW59-1014
20506150908	SKGW59-1014 DUP
20506150909	SKGW61-1014
20506150910	SKGW64-1014
20506150911	SKGW63-1014
20506150912	SKGW62A-1014
20506150921	SKGW60-1014
20506150922	SKGW58-1014
20506150923	SKGW58-1014 MS
20506150924	SKGW58-1014 MSD
20506150931	SKGW59-1014 RE
20506150932	SKGW59-1014 DUP RE
20506150933	SKGW61-1014 RE
20506150934	SKGW64-1014 RE
20506150935	SKGW63-1014 RE
20506150936	SKGW62A-1014 RE
20506150939	SKGW58-1014 RE
20506150940	SKGW58-1014 MS RE
20506150941	SKGW58-1014 MSD RE
20506150942	SKGW07R-1014 RE

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
3. IC
4. Calibration Verification
5. Blanks
6. Surrogate Spikes
7. Matrix Spike/Matrix Spike Duplicate (MS/MSD)
8. Pesticide Cleanup Checks
9. Target Compound Identification
10. Constituent Quantitation and Reported Detection Limits

11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were originally extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$. The samples were re-extracted outside of the technical and VSTR method holding times. As per the National Functional Guidelines, if technical holding times are exceeded, qualify all detected compound results as estimated "J" and sample quantitation limits as estimated "UJ".

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits.

The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM). The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of alpha-BHC (25.0%) and gamma-BHC (22.9%) associated with the samples analyzed on 6/28/05 (RTX-XLB). The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than 30.0%.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ± 25.0 percent for the calibration dated 6/24/05 on column RTX-35MS.

The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ± 25.0 percent with the exception of Endrin for the calibration dated 6/29/05 (1542) on column RTX-XLB.

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of ± 25.0 percent.

As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated detected results with "J" and non-detects with "UJ".

5. BLANKS

Two laboratory method blanks were analyzed with this SDG. The results are summarized below.

Method Blank 250946

Toxaphene was detected at a concentration of 0.384 ppb in Method Blank 250946. This blank corresponds to all samples extracted on 6/20/05.

Method Blank 255653

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/24/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

<u>Sample ID</u>	<u>TCX (%)</u>	<u>DCM (%)</u>
SKGW06R-1014	55/54	34/26
SKGW07R-1014	57/57	30/29
SKGW59-1014 Dup	36/38	40/18
SKGW61-1014	44/58	37/29
SKGW64-1014	21/32	23/19
SKGW63-1014	36/37	20/15
SKGW62A-1014	39/40	27/21

The samples were re-extracted do to Toxaphene contamination associated with the Method Blank extracted on 6/20/05. The surrogate recoveries in the re-extracted samples where within the acceptance limits. As per the National Functional Guidelines, if the surrogate(s) recoveries are between 10 and 30 percent then qualify detected compounds with "J" and non-detected compounds with "UJ".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKGW58-1014 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for pesticide constituents.

11. DOCUMENTATION

Page 5 of SDG 205061509 had several GCAL ID number missing 20, 26, 37, 38 and had two samples listed with the same GCAL ID 20506150930. The case narrative for SDG 205061509 stated that all of the pesticides were re-extracted yet on page 5 titled Report sample Summary samples SKGW06R-1014 and SKGW60-1014 are not listed.

GCAL provided the following explanations:

The duplication of GCAL ID 20506150930 was a mistake made in log-in when the samples had to be re-logged for re-extraction. The re-extracted sample has been given a new number of 20506150942 and the package corrected to reflect the new number.

Several samples were not included in the report sample summary. Samples 20, 26, and 37 were all associated with sample SKGW66-1014. Sample 20 was the parent sample, 26 was the dissolved metals prep, and 37 was the re-extract of sample 20 for pesticides. To report both a sample and the re-extract, the sample originally logged into the LIMS should be given a new GCAL ID number with a new client ID of "Client ID-RE". On June 23, 2005 Pat Higgins, in an e-mail, requested that Dana revise the chain of custody to delete sample SKGW66-1014. Sample 38 (SKGW60-1014) was scheduled for re-extraction and then cancelled because there was not enough sample to re-extract. There was also insufficient sample left for the re-extraction of SKGW06R-1014.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

REFERENCES

US EPA, 1994. *National Functional Guidelines for Inorganic Data Review.*

US EPA, 1999. *National Functional Guidelines for Organic Data Review.*



NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 07/19/2005

GCAL Report 205061509

Deliver To Earth Tech
2373 Progress St
Hebron, KY 41048
859-442-2300

Attn Pat Higgins

Customer Earth Tech

Project Skinner Landfill

000001
RESUBMITTED

CASE NARRATIVE

Client: Earth Tech **Report:** 205061509

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

The report sample summary (page 5), Pesticide method blank summary (page 391), sample SKCW07R-1014RE Form I and raw data (pages 442-446), prep sheets (page 672-673), and batch run logs (pages 676 and 679) are resubmitted to correct the GCAL sample ID number. The number was reassigned from 20506150930 to 20506150942. Also submitted for the mass spectrometry volatiles analysis is the BFB raw data and CCV summary and raw data for 06/23/05 on instrument msv4. The case narrative regarding the re-extraction of the OLM04.2 Pesticide samples has been corrected.

The pesticide method blank summary page was resubmitted to correct duplicate entries of samples 20506150940 and 20506150941.

SEMI-VOLATILES MASS SPECTROMETRY

In the OLM04.2 CLP analysis samples 20506150911 (SKGW63-1014), 20506150923 (SKGW58-1014 MS), and 20506150924 (SKGW58-1014 MSD) had one base-neutral surrogate outside QC limits, sample 20506150921 (SKGW60-1014) had one acid surrogate outside QC limits.

In the OLM04.2 CLP analysis, the recovery for 4-Nitrophenol was slightly above QC limits in the MSD, and the RPD for Pyrene was exceeded.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the OLM04.2 Pesticide analysis several surrogate recoveries were outside of advisory limits as indicated on Form II. In batch 295010 the matrix spike recovery for gamma-bhc was outside QC limits.

In the OLM04.2 Pesticide analysis, the method blank 250946 had Toxaphene present at 0.384 ug/L, which was below the CRDL. All samples except SKGW06R-1014 and SKGW60-1014 were re-extracted to verify Toxaphene was attributed to laboratory contamination. Both sets of data are being included in the report. The two samples that were not re-extracted did not have sufficient sample volume.

METALS

In the ILM04.1 - CLP analysis for prep batch 293859, the MS recoveries were outside the control limits for Selenium and Thallium. The LCS recoveries were within the control

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RESUBMITTED

limits. This indicates the analysis is in control and the sample is affected by matrix interference. The MS recovery is not applicable for Aluminum and Iron because the sample concentrations are greater than four times the spike concentrations. Aluminum, Calcium, Copper, Iron, Magnesium, Manganese, Potassium, Sodium, and Vanadium are flagged as estimated due to the fact that the percent difference between the original sample results and the serial dilution results are greater than 10. A chemical or physical interference is suspected.

In the ILM04.1 - CLP analysis for prep batch 293860, the MS recoveries were outside the control limits for Arsenic and Selenium. The LCS recoveries were within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference. The sample/duplicate RPDs for Chromium and Zinc for prep batch 293860 are not applicable because the sample and/or duplicate concentrations are less than five times the reporting limit.

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RESUBMITTED

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

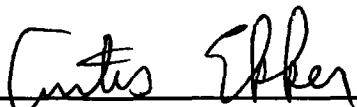
Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.



CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 205061509

THIS REPORT CONTAINS 878 PAGES.

000004

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20506150901	SKGW06R-1014	Water	06/14/2005 15:15	06/15/2005 09:00
20506150902	SKGW07R-1014	Water	06/14/2005 15:55	06/15/2005 09:00
20506150903	TRIP BLANK	Water		06/15/2005 09:00
20506150904	SKGW06R-1014 (DISS)	Water	06/14/2005 15:15	06/15/2005 09:00
20506150905	SKGW07R-1014 (DISS)	Water	06/14/2005 15:55	06/15/2005 09:00
20506150906	VHBLK	Water		06/15/2005 09:00
20506150907	SKGW59-1014	Water	06/15/2005 13:10	06/16/2005 09:15
20506150908	SKGW59-1014 DUPE	Water	06/15/2005 13:50	06/16/2005 09:15
20506150909	SKGW61-1014	Water	06/15/2005 14:45	06/16/2005 09:15
20506150910	SKGW64-1014	Water	06/15/2005 09:45	06/16/2005 09:15
20506150911	SKGW63-1014	Water	06/15/2005 10:35	06/16/2005 09:15
20506150912	SKGW62A-1014	Water	06/15/2005 11:30	06/16/2005 09:15
20506150913	TRIP BLANKS	Water	06/15/2005 00:00	06/16/2005 09:15
20506150914	SKGW59-1014 (DISS)	Water	06/15/2005 13:10	06/16/2005 09:15
20506150915	SKGW59-1014 (DISS) DUPE	Water	06/15/2005 13:10	06/16/2005 09:15
20506150916	SKGW61-1014 (DISS)	Water	06/15/2005 14:45	06/16/2005 09:15
20506150917	SKGW64-1014 (DISS)	Water	06/15/2005 09:45	06/16/2005 09:15
20506150918	SKGW63-1014 (DISS)	Water	06/15/2005 10:35	06/16/2005 09:15
20506150919	SKGW62A-1014 (DISS)	Water	06/15/2005 11:30	06/16/2005 09:15
20506150921	SKGW60-1014	Water	06/16/2005 13:35	06/17/2005 10:20
20506150922	SKGW58-1014	Water	06/16/2005 10:05	06/17/2005 10:20
20506150923	SKGW58-1014 MS	Water	06/16/2005 10:30	06/17/2005 10:20
20506150924	SKGW58-1014 MSD	Water	06/16/2005 10:55	06/17/2005 10:20
20506150925	SKGW58-1014 DUP	Water	06/16/2005 10:55	06/17/2005 10:20
20506150927	SKGW60-1014 (DISS)	Water	06/16/2005 13:35	06/17/2005 10:20
20506150928	SKGW58-1014 (DISS)	Water	06/16/2005 10:05	06/17/2005 10:20
20506150929	SKGW58-1014 MS(DISS)	Water	06/16/2005 10:30	06/17/2005 10:20
20506150930	SKGW58-1014 DUP(DISS)	Water	06/16/2005 10:55	06/17/2005 10:20
20506150931	SKGW59-1014 RE	Water	06/15/2005 13:10	06/16/2005 09:15
20506150932	SKGW59-1014 DUPE RE	Water	06/15/2005 13:50	06/16/2005 09:15
20506150933	SKGW61-1014 RE	Water	06/15/2005 14:45	06/16/2005 09:15
20506150934	SKGW64-1014 RE	Water	06/15/2005 09:45	06/16/2005 09:15
20506150935	SKGW63-1014 RE	Water	06/15/2005 10:35	06/16/2005 09:15
20506150936	SKGW62A-1014 RE	Water	06/15/2005 11:30	06/16/2005 09:15
20506150939	SKGW58-1014 RE	Water	06/16/2005 10:05	06/17/2005 10:20
20506150940	SKGW58-1014 MS RE	Water	06/16/2005 10:30	06/17/2005 10:20
20506150941	SKGW58-1014 MSD RE	Water	06/16/2005 10:55	06/17/2005 10:20
20506150942	SKGW07R-1014 RE	Water	06/14/2005 15:55	06/15/2005 09:00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW06R-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150901
 Level: (low/med) _____ Lab File ID: 2050623/U4224
 % Moisture: not dec. _____ Date Collected: 06/14/05 Time: 1515
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/15/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1522
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

CAS NO. COMPOUND RESULT Q MDL RL

71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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FORM 1 VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW06R-1014

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix (soil/water) Water

Sample wt/vol: 25

(g/ml) mL

Lab Sample ID: 20506150901

Level: (low/med)

Lab File ID: 2050623/U4224

% Moisture: not dec.

Date Collected: 06/14/05

Time: 1515

GC Column: DB-624-30M

ID: .53

(mm)

Date Received: 06/15/05

Instrument ID: MSV4

Date Analyzed: 06/23/05

Time: 1522

Soil Extract Volume:

(µL)

Dilution Factor: 1

Analyst: RSP

Soil Aliquot Volume:

(µL)

Prep Batch:

Analytical Batch: 294122

CONCENTRATION UNITS: µg/L

Analytical Method: OLCO 2.1

CAS NO. COMPOUND

RESULT

Q

MDL

RL

75-09-2	Methylene chloride	2.0 5.48	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
106-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW06R-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150901
Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4224
Level: (low/med) _____ Date Collected: 06/14/05 Time: 1515
% Moisture: not dec. _____ Date Received: 06/15/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1522
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (μ L)
Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 107-89-1	Unknown	1.959	2.07	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No: _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil/water): Water
 Sample wt/vol: 25 (g/ml) ml Lab Sample ID: 20506150902
 Level: (low/med) _____ Lab File ID: 2050622AU4201
 % Moisture: not dec. _____ Date Collected: 06/14/05 Time: 1555
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/15/05
 Instrument ID: MSV4 Date Analyzed: 06/22/05 Time: 1451
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294018
 CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
78-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-08-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-83-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoforn	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM 1 VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW07R-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150902

Level: (low/med) _____ Lab File ID: 2050622/U4201

% Moisture: not dec. _____ Date Collected: 06/14/05 Time: 1555

GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/15/05

Instrument ID: MSV4 Date Analyzed: 06/22/05 Time: 1451

Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294018

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO. COMPOUND RESULT Q MDL RL

75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW07R-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150902
Sample wt/vol: _____ Units: _____ Lab File ID: 2050622/U4201
Level: (low/med) _____ Date Collected: 06/14/05 Time: 1555
% Moisture: not dec. _____ Date Received: 06/15/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/22/05 Time: 1451
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (µL)
Soil Aliquot Volume: _____ (µL)

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 1823-52-5	2-Oxetanone, 4,4-dimethyl-	1.942	1.45	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150907
 Level: (low/med) _____ Lab File ID: 2050623/U4218
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1310
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1230
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

CAS NO. COMPOUND RESULT Q MDL RL

71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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FORM 1 VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW59-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No. _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150907
 Level: (low/med) _____ Lab File ID: 2050623/U4218
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1310
 GC Column: DB-624-30M ID: 53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1230
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	<u>Q. C. 0.059</u>	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
106-98-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW59-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150907
Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4218
Level: (low/med) _____ Date Collected: 06/15/05 Time: 1310
% Moisture: not dec. _____ Date Received: 06/16/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1230
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (μ L)
Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 1823-52-5	2-Oxetanone, 4,4-dimethyl-	1.957	.947	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150909
 Level: (low/med) _____ Lab File ID: 2050623/U4220
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1445
 GC Column: DB-624-30M ID: 53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1319
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 CONCENTRATION UNITS: µg/L Analytical Method: OLCO 2.1

CAS NO. COMPOUND RESULT Q MDL RL

71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-83-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
106-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
58-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
87-06-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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FORM 1 VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW61-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150909
 Level: (low/med) _____ Lab File ID: 2050623/U4220
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1445
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1319
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW61-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150909
Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4220
Level: (low/med) _____ Date Collected: 06/15/05 Time: 1445
% Moisture: not dec. _____ Date Received: 06/16/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1319
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO
Soil Extract Volume: _____ (µL)
Soil Aliquot Volume: _____ (µL)

Number TICs Found: 0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	No fics detected			

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW64-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150910
 Level: (low/med) _____ Lab File ID: 2050623/U4223
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 0945
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1458
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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FORM 1 VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW64-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil/water): Water
 Sample w/vol: 25 (g/ml) ml Lab Sample ID: 20506150910
 Level: (low/med) _____ Lab File ID: 2050623/U4223
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 0845
 GC Column: DB-624-30M ID: 53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1458
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-8	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW64-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150910
Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4223
Level: (low/med) _____ Date Collected: 06/15/05 Time: 0945
% Moisture: not dec. _____ Date Received: 06/16/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1458
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (µL)
Soil Aliquot Volume: _____ (µL)

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 110-62-3	Unknown	1.961	6.79	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil/water): Water
 Sample wt/vol: 25 (g/ml) ml Lab Sample ID: 20506150911
 Level: (low/med) _____ Lab File ID: 2050623/U4225
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1035
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1547
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO. COMPOUND RESULT Q MDL RL

71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-83-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropene	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
108-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	0.13	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-80-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM 1 VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW63-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150911
 Level: (low/med) _____ Lab File ID: 2050623/U4225
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1035
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1547
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	<u>2.0</u> 0.038	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW63-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150911
Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4225
Level: (low/med) _____ Date Collected: 06/15/05 Time: 1035
% Moisture: not dec. _____ Date Received: 06/16/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1547
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (μ L)
Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 2919-23-5	Unknown	1.966	6.34	
2. 78-78-4	Unknown	2.388	1.27	
3. 109-66-0	Unknown	2.616	.853	
4. 60-29-7	Unknown	2.845	1.53	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150912
 Level: (low/med) _____ Lab File ID: 2050623/U4226
 % Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1130
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1611
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW62A-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509

Matrix (soil/water): Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150912

Level: (low/med) _____ Lab File ID: 2050623/U4226

% Moisture: not dec. _____ Date Collected: 06/15/05 Time: 1130

GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/16/05

Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1611

Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122

Analytical Method: OLCO 2.1

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW62A-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150912
Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4226
Level: (low/med) _____ Date Collected: 06/15/05 Time: 1130
% Moisture: not dec. _____ Date Received: 06/16/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1611
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (µL)
Soil Aliquot Volume: _____ (µL)

Number TICs Found: 3

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	2919-23-5	Unknown	1.965	6.15	
2.	2919-23-5	Unknown	2.387	.834	
3.	109-66-0	Unknown	2.621	1.15	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW60-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil/water): Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150921
 Level: (low/med) _____ Lab File ID: 2050623/U4228
 % Moisture: not dec. _____ Date Collected: 06/16/05 Time: 1335
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/17/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1659
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: µg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-83-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropene	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-83-3	2-Butanone	5.0	U	0.010	5.0
501-78-6	2-Hexanone	5.0	U	0.010	5.0
106-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	0.083	J	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW60-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150921
 Level: (low/med) _____ Lab File ID: 2050623/U4228
 % Moisture: not dec. _____ Date Collected: 06/16/05 Time: 1335
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/17/05
 Instrument ID: MSV4 Date Analyzed: 06/23/05 Time: 1659
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294122
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	<u>2.0 0.040</u>	J	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW60-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509

Matrix: Water Lab Sample ID: 20506150821

Sample wt/vol: _____ Units: _____ Lab File ID: 2050623/U4228

Level: (low/med) _____ Date Collected: 06/16/05 Time: 1335

% Moisture: not dec. _____ Date Received: 06/17/05

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/23/05 Time: 1659

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP

Soil Extract Volume: _____ (μ L)

Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	No fics detected			

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW58-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509

Matrix (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150922

Level: (low/med) _____ Lab File ID: 2050622/U4204

% Moisture: not dec. _____ Date Collected: 06/16/05 Time: 1005

GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/17/05

Instrument ID: MSV4 Date Analyzed: 06/22/05 Time: 1714

Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294018

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKGW58-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil/water): Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506150822
 Level: (low/med) _____ Lab File ID: 2050622/U4204
 % Moisture: not dec. _____ Date Collected: 06/16/05 Time: 1005
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/17/05
 Instrument ID: MSV4 Date Analyzed: 06/22/05 Time: 1714
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294018
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-08-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKGW58-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: Water Lab Sample ID: 20506150922
Sample wt/vol: _____ Units: _____ Lab File ID: 2050622/U4204
Level: (low/med) _____ Date Collected: 06/16/05 Time: 1005
% Moisture: not dec. _____ Date Received: 06/17/05
GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 06/22/05 Time: 1714
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RSP
Soil Extract Volume: _____ (µL)
Soil Aliquot Volume: _____ (µL)

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 1823-52-5	Unknown	1.948	4.15	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW06R-1014Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509Lab File ID: 2050714/B0323Matrix: WaterLab Sample ID: 20506150901Sample wt/vol: 1000 Units: mLDate Collected: 06/14/05 Time: 1515Level: (low/med) LOWDate Received: 06/15/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: 25 (mm)Date Analyzed: 07/14/05 Time: 1241Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: µg/LPrep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	1.02	J	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	Bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061509
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW06R-1014
 Contract: _____
 Lab File ID: 2050714/B0323
 Lab Sample ID: 20506150901
 Date Collected: 06/14/05 Time: 1515
 Date Received: 06/15/05
 Date Extracted: 06/20/05
 Date Analyzed: 07/14/05 Time: 1241
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0546	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.00878	JB	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	0.652	J	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	0.502	J	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

9/8/05
min

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061509

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted: (Y/N) _____

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS: ug/L

CAS NO. COMPOUND

86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

Sample ID: SKGW06R-1014

Contract: _____

Lab File ID: 2050714/B0323

Lab Sample ID: 20506150901

Date Collected: 06/14/05 Time: 1515

Date Received: 06/15/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1241

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 293939 Analytical Batch: 295505

RESULT Q MDL RL

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Sample ID: SKGW06R-1014

Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509

Lab File ID: 2050714/B0323

Matrix: Water

Lab Sample ID: 20506150901

Sample wt/vol: _____ Units: _____

Date Collected: 06/14/05 Time: 1515

Level: (low/med) _____

Date Received: 06/15/05

% Moisture: not dec. _____

Date Extracted: _____

GC Column: DB-5MS-30M ID: .25 (mm)

Date Analyzed: 07/14/05 Time: 1241

Concentrated Extract Volume: 1000 (µL)

Dilution Factor: 1 Analyst: JAR3

Injection Volume: 1.0 (µL)

Prep Method: _____

GPC Cleanup: (Y/N) N pH: _____

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 27554-26-3	1,2-Benzenedicarboxylic acid,	6.281	6.1	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061509

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted: (Y/N) _____

GC Column: DB-5MS-30M ID: 25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW07R-1014

Contract: _____

Lab File ID: 2050714/B0324

Lab Sample ID: 20506150902

Date Collected: 06/14/05 Time: 1555

Date Received: 06/15/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1300

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/LPrep Batch: 293939 Analytical Batch: 295505

CAS NO. COMPOUND

RESULT Q MDL RL

95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW07R-1014Lab Code: LA024

Case No.: _____

Contract: _____

SAS No.: _____

SDG No.: 205061509Lab File ID: 2050714/B0324Matrix: WaterLab Sample ID: 20506150902Sample wt/vol: 1000 Units: mLDate Collected: 06/14/05 Time: 1555Level: (low/med) LOWDate Received: 06/15/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1300Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 293939Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 10.0	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0 10.0	JB	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	0.600	J	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW07R-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
SAS No.: _____ SDG No.: <u>205061509</u>	Lab File ID: <u>2050714/B0324</u>
Matrix: <u>Water</u>	Lab Sample ID: <u>20506150902</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Date Collected: <u>06/14/05</u> Time: <u>1555</u>
Level: (low/med) <u>LOW</u>	Date Received: <u>06/15/05</u>
% Moisture: _____ decanted: (Y/N) _____	Date Extracted: <u>06/20/05</u>
GC Column: <u>DB-5MS-30M</u> ID: <u>25</u> (mm)	Date Analyzed: <u>07/14/05</u> Time: <u>1300</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Dilution Factor: <u>1</u> Analyst: <u>JAR3</u>
Injection Volume: <u>1.0</u> (µL)	Prep Method: <u>OLM4.2 SVOA</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
CONCENTRATION UNITS: <u>ug/L</u>	Instrument ID: <u>MSSV3</u>
	Prep Batch: <u>293939</u> Analytical Batch: <u>295505</u>

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
96-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.: _____
SAS No.: _____ SDG No.: 205061509
Matrix: Water
Sample wt/vol: _____ Units: _____
Level: (low/med) _____
% Moisture: not dec. _____
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW07R-1014
Contract: _____
Lab File ID: 2050714/B0324
Lab Sample ID: 20506150902
Date Collected: 06/14/05 Time: 1555
Date Received: 06/15/05
Date Extracted: _____
Date Analyzed: 07/14/05 Time: 1300
Dilution Factor: 1 Analyst: JAR3
Prep Method: _____
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 603-11-2	1,2-Benzenedicarboxylic acid,	6.281	8	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061509

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted: (Y/N) _____

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW59-1014

Contract: _____

Lab File ID: 2050714/B0325

Lab Sample ID: 20506150907

Date Collected: 06/15/05 Time: 1310

Date Received: 06/16/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1318

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 293939 Analytical Batch: 295505

CONCENTRATION UNITS: ug/L

CAS NO. COMPOUND

RESULT Q MDL RL

95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	Bis(2-Chloroisopropyl) ether	10.0	U	0.010	10.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: SKGW59-1014

Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509

Lab File ID: 2050714/B0325

Matrix: Water

Lab Sample ID: 20506150907

Sample wt/vol: 1000 Units: mL

Date Collected: 06/15/05 Time: 1310

Level: (low/med) LOW

Date Received: 06/16/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05

GC Column: DB-5MS-30M ID: .25 (mm)

Date Analyzed: 07/14/05 Time: 1318

Concentrated Extract Volume: 1000 (µL)

Dilution Factor: 1 Analyst: JAR3

Injection Volume: 1.0 (µL)

Prep Method: OLM4.2 SVOA

GPC Cleanup: (Y/N) N pH: _____

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 1.47	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW59-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
SAS No.: _____ SDG No.: <u>205061509</u>	Lab File ID: <u>2050714/B0325</u>
Matrix: <u>Water</u>	Lab Sample ID: <u>20506150907</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Date Collected: <u>06/15/05</u> Time: <u>1310</u>
Level: (low/med) <u>LOW</u>	Date Received: <u>06/16/05</u>
% Moisture: _____ decanted: (Y/N) _____	Date Extracted: <u>06/20/05</u>
GC Column: <u>DB-5MS-30M</u> ID: <u>.25</u> (mm)	Date Analyzed: <u>07/14/05</u> Time: <u>1318</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Dilution Factor: <u>1</u> Analyst: <u>JAR3</u>
Injection Volume: <u>1.0</u> (µL)	Prep Method: <u>OLM4.2 SVOA</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
CONCENTRATION UNITS: <u>µg/L</u>	Instrument ID: <u>MSSV3</u>
	Prep Batch: <u>293939</u> Analytical Batch: <u>295505</u>

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.: _____
SAS No.: _____ SDG No.: 205061509
Matrix: Water
Sample wt/vol: _____ Units: _____
Level: (low/med) _____
% Moisture: not dec. _____
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW59-1014
Contract: _____
Lab File ID: 2050714/B0325
Lab Sample ID: 20506150907
Date Collected: 06/15/05 Time: 1310
Date Received: 06/16/05
Date Extracted: _____
Date Analyzed: 07/14/05 Time: 1318
Dilution Factor: 1 Analyst: JAR3
Prep Method: _____
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 134-62-3	Diethyltoluamide	3.846	5.71	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW61-1014Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509Lab File ID: 2050714/B0327Matrix: WaterLab Sample ID: 20506150909Sample wt/vol: 1000 Units: mLDate Collected: 06/15/05 Time: 1445Level: (low/med) LOWDate Received: 06/16/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: 25 (mm)Date Analyzed: 07/14/05 Time: 1357Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 293939 Analytical Batch: 295505

CAS NO. COMPOUND

RESULT Q MDL RL

95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	0.535	J	0.010	10.0
108-60-1	Bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW61-1014Lab Code: LA024

Case No.: _____

Contract: _____

SAS No.: _____

SDG No.: 205061509Lab File ID: 2050714/B0327Matrix: WaterLab Sample ID: 20506150909Sample wt/vol: 1000 Units: mLDate Collected: 06/15/05Time: 1445Level: (low/med) LOWDate Received: 06/16/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05Time: 1357Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 293939Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0 4.24	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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p10

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW61-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
SAS No.: _____ SDG No.: <u>205061509</u>	Lab File ID: <u>2050714/B0327</u>
Matrix: <u>Water</u>	Lab Sample ID: <u>20506150909</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Date Collected: <u>06/15/05</u> Time: <u>1445</u>
Level: (low/med) <u>LOW</u>	Date Received: <u>06/16/05</u>
% Moisture: _____ decanted (Y/N) _____	Date Extracted: <u>06/20/05</u>
GC Column: <u>DB-5MS-30M</u> ID: <u>25</u> (mm)	Date Analyzed: <u>07/14/05</u> Time: <u>1357</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Dilution Factor: <u>1</u> Analyst: <u>JAR3</u>
Injection Volume: <u>1.0</u> (µL)	Prep Method: <u>OLM4.2 SVQA</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
CONCENTRATION UNITS: <u>ug/L</u>	Instrument ID: <u>MSSV3</u>
CAS NO. COMPOUND	Prep Batch: <u>293939</u> Analytical Batch: <u>295505</u>
	RESULT Q MDL RL
86-30-6 N-Nitrosodiphenylamine	10.0 U 0.010 10.0
95-48-7 o-Cresol	10.0 U 0.010 10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDSLab Name: GCALSample ID: SKGW61-1014Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509Lab File ID: 2050714/B0327Matrix: WaterLab Sample ID: 20506150909

Sample wt/vol: _____ Units: _____

Date Collected: 06/15/05 Time: 1445

Level: (low/med) _____

Date Received: 06/16/05

% Moisture: not dec. _____

Date Extracted: _____

GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1357Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)

Prep Method: _____

GPC Cleanup: (Y/N) N pH: _____Analytical Method: SW-846 8270CInstrument ID: MSSV3

Number TICs Found : 2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	105-60-2	Caprolactam	2.793	6.63	
2.	134-62-3	Diethyltoluamide	3.846	7.76	

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW64-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 SAS No.: _____ SDG No.: 205061509 Lab File ID: 2050714/B0328
 Matrix: Water Lab Sample ID: 20506150910
 Sample wt/vol: 1000 Units: mL Date Collected: 06/15/05 Time: 0945
 Level: (low/med) LOW Date Received: 06/16/05
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 06/20/05
 GC Column: DB-5MS-30M ID: .25 (mm) Date Analyzed: 07/14/05 Time: 1416
 Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst: JAR3
 Injection Volume: 1.0 (µL) Prep Method: OLM4.2 SVOA
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/LPrep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichloropheno	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichloropheno	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenyl ether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl) ether	10.0	U	0.010	10.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061509
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW64-1014
 Contract: _____
 Lab File ID: 2050714/B0328
 Lab Sample ID: 20506150910
 Date Collected: 06/15/05 Time: 0945
 Date Received: 06/16/05
 Date Extracted: 06/20/05
 Date Analyzed: 07/14/05 Time: 1416
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO. COMPOUND

RESULT Q MDL RL

117-81-7	bis(2-ethylhexyl)phthalate	10.010	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.: _____
SAS No.: _____ SDG No.: 205061509
Matrix: Water
Sample wt/vol: _____ Units: _____
Level: (low/med) _____
% Moisture: not dec. _____
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW64-1014
Contract: _____
Lab File ID: 2050714/B0328
Lab Sample ID: 20506150910
Date Collected: 06/15/05 Time: 0945
Date Received: 06/16/05
Date Extracted: _____
Date Analyzed: 07/14/05 Time: 1416
Dilution Factor: 1 Analyst: JAR3
Prep Method: _____
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 134-62-3	Diethyltoluamide	3.846	61	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061509

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted: (Y/N) _____

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW63-1014

Contract: _____

Lab File ID: 2050714/B0329

Lab Sample ID: 20506150911

Date Collected: 06/15/05 Time: 1035

Date Received: 06/16/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1436

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW63-1014Lab Code: LA024

Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509Lab File ID: 2050714/B0329Matrix: WaterLab Sample ID: 20506150911Sample wt/vol: 1000 Units: mLDate Collected: 06/15/05 Time: 1035Level: (low/med) LOWDate Received: 06/16/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1436Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 293939Analytical Batch: 295505**CAS NO. COMPOUND****RESULT****Q****MDL****RL**

117-81-7	bis(2-ethylhexyl)phthalate	10.0 10.0	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	1.07	J	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

9/8/05
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW63-1014
 Lab Code: LA024 Case No.: Contract:
 SAS No.: SDG No.: 205061509 Lab File ID: 2050714/B0329
 Matrix: Water Lab Sample ID: 20506150911
 Sample wt/vol: 1000 Units: mL Date Collected: 06/15/05 Time: 1035
 Level: (low/med) LOW Date Received: 06/16/05
 % Moisture: decanted: (Y/N) Date Extracted: 06/20/05
 GC Column: DB-5MS-30M ID: .25 (mm) Date Analyzed: 07/14/05 Time: 1436
 Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst: JAR3
 Injection Volume: 1.0 (µL) Prep Method: OLM4.2 SVOA
 GPC Cleanup: (Y/N) N pH: Analytical Method: OLMO 4.2
 Instrument ID: MSSV3
 Prep Batch: 293939 Analytical Batch: 295505
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.: _____
SAS No.: _____ SDG No.: 205061509
Matrix: Water
Sample wt/vol: _____ Units: _____
Level: (low/med) _____
% Moisture: not dec. _____
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW63-1014
Contract: _____
Lab File ID: 2050714/B0329
Lab Sample ID: 20506150911
Date Collected: 06/15/05 Time: 1035
Date Received: 06/16/05
Date Extracted: _____
Date Analyzed: 07/14/05 Time: 1436
Dilution Factor: 1 Analyst: JAR3
Prep Method: _____
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 134-62-3	Diethyltoluamide	3.846	31.3	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW62A-1014Lab Code: LA024 Case No: _____

Contract: _____

SAS No.: _____ SDG No: 205061509Lab File ID: 2050714/B0330Matrix: WaterLab Sample ID: 20506150912Sample wt/vol: 1000 Units: mLDate Collected: 06/15/05 Time: 1130Level: (low/med) LOWDate Received: 06/16/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1455Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: µg/LPrep Batch: 293939Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW62A-1014Lab Code: LA024

Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509Lab File ID: 2050714/B0330Matrix: WaterLab Sample ID: 20506150912Sample wt/vol: 1000 Units: mLDate Collected: 06/15/05 Time: 1130Level: (low/med) LOWDate Received: 06/16/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1455Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	<u>10.0</u> <u>5.84</u>	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

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SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW62A-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 SAS No.: _____ SDG No.: 205061509 Lab File ID: 2050714/B0330
 Matrix: Water Lab Sample ID: 20506150912
 Sample wt/vol: 1000 Units: mL Date Collected: 06/15/05 Time: 1130
 Level: (low/med) LOW Date Received: 06/16/05
 % Moisture: _____ decanted (Y/N) _____ Date Extracted: 06/20/05
 GC Column: DB-5MS-30M D: .25 (mm) Date Analyzed: 07/14/05 Time: 1455
 Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst: JAR3
 Injection Volume: 1.0 (µL) Prep Method: OLM4.2 SVOA
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2

CONCENTRATION UNITS: ug/L

CAS NO. COMPOUND

RESULT Q MDL RL

86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL

Sample ID: SKGW62A-1014

Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509

Lab File ID: 2050714/B0330

Matrix: Water

Lab Sample ID: 20506150912

Sample wt/vol: _____ Units: _____

Date Collected: 06/15/05 Time: 1130

Level: (low/med) _____

Date Received: 06/16/05

% Moisture: not dec. _____

Date Extracted: _____

GC Column: DB-5MS-30M ID: .25 (mm)

Date Analyzed: 07/14/05 Time: 1455

Concentrated Extract Volume: 1000 (µL)

Dilution Factor: 1 Analyst: JAR3

Injection Volume: 1.0 (µL)

Prep Method: _____

GPC Cleanup: (Y/N) N pH: _____

Analytical Method: SW-846 8270C

Instrument ID: MSSV3

Number TICs Found: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 134-62-3	Diethyltoluamide	3.846	5.43	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No: _____

SAS No.: _____ SDG No: 205061509

Matrix: Water

Sample wt/vol: 940 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted: (Y/N) _____

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW60-1014

Contract: _____

Lab File ID: 2050714/B0331

Lab Sample ID: 20506150921

Date Collected: 06/16/05 Time: 1335

Date Received: 06/17/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1515

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 293939 Analytical Batch: 295505

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.6	U	0.011	10.6
88-06-2	2,4,6-Trichlorophenol	10.6	U	0.011	10.6
120-83-2	2,4-Dichlorophenol	10.6	U	0.011	10.6
51-28-5	2,4-Dinitrophenol	26.6	U	0.011	26.6
121-14-2	2,4-Dinitrotoluene	10.6	U	0.011	10.6
606-20-2	2,6-Dinitrotoluene	10.6	U	0.011	10.6
91-58-7	2-Chloronaphthalene	10.6	U	0.011	10.6
95-57-8	2-Chlorophenol	10.6	U	0.011	10.6
91-57-6	2-Methylnaphthalene	10.6	U	0.011	10.6
88-74-4	2-Nitroaniline	26.6	U	0.011	26.6
88-75-5	2-Nitrophenol	10.6	U	0.011	10.6
91-94-1	3,3'-Dichlorobenzidine	10.6	U	0.011	10.6
99-09-2	3-Nitroaniline	26.6	U	0.011	26.6
534-52-1	2-Methyl-4,6-dinitrophenol	26.6	U	0.011	26.6
59-50-7	4-Chloro-3-methylphenol	10.6	U	0.011	10.6
106-47-8	4-Chloroaniline	10.6	U	0.011	10.6
7005-72-3	4-Chlorophenyl-phenylether	10.6	U	0.011	10.6
106-44-5	4-Methylphenol (p-Cresol)	10.6	U	0.011	10.6
83-32-9	Acenaphthene	10.6	U	0.011	10.6
208-96-8	Acenaphthylene	10.6	U	0.011	10.6
120-12-7	Anthracene	10.6	U	0.011	10.6
56-55-3	Benzo(a)anthracene	10.6	U	0.011	10.6
50-32-8	Benzo(a)pyrene	10.6	U	0.011	10.6
205-99-2	Benzo(b)fluoranthene	10.6	U	0.011	10.6
191-24-2	Benzo(g,h,i)perylene	10.6	U	0.011	10.6
207-08-9	Benzo(k)fluoranthene	10.6	U	0.011	10.6
111-91-1	Bis(2-Chloroethoxy) methane	10.6	U	0.011	10.6
111-44-4	Bis(2-Chloroethyl) ether	10.6	U	0.011	10.6
108-60-1	bis(2-Chloroisopropyl) ether	10.6	U	0.011	10.6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKGW60-1014Lab Code: LA024

Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061509Lab File ID: 2050714/B0331Matrix: WaterLab Sample ID: 20506150921Sample wt/vol: 940 Units: mLDate Collected: 06/16/05 Time: 1335Level: (low/med) LOWDate Received: 06/17/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/20/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1515Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 293939 Analytical Batch: 295505**CAS NO. COMPOUND****RESULT****Q****MDL****RL**

117-81-7	bis(2-ethylhexyl)phthalate	10.0924	JB	0.011	10.6
101-55-3	4-Bromophenyl-phenylether	10.6	U	0.011	10.6
85-68-7	Butylbenzylphthalate	10.6	U	0.011	10.6
86-74-8	Carbazole	10.6	U	0.011	10.6
218-01-9	Chrysene	10.6	U	0.011	10.6
84-74-2	Di-n-butylphthalate	10.0927	JB	0.011	10.6
117-84-0	Di-n-octylphthalate	10.6	U	0.011	10.6
53-70-3	Dibenz(a,h)anthracene	10.6	U	0.011	10.6
132-64-9	Dibenzofuran	10.6	U	0.011	10.6
84-66-2	Diethylphthalate	10.6	U	0.011	10.6
131-11-3	Dimethyl-phthalate	10.6	U	0.011	10.6
105-67-9	2,4-Dimethylphenol	10.6	U	0.011	10.6
206-44-0	Fluoranthene	10.6	U	0.011	10.6
86-73-7	Fluorene	10.6	U	0.011	10.6
118-74-1	Hexachlorobenzene	10.6	U	0.011	10.6
87-68-3	Hexachlorobutadiene	10.6	U	0.011	10.6
77-47-4	Hexachlorocyclopentadiene	10.6	U	0.011	10.6
67-72-1	Hexachloroethane	10.6	U	0.011	10.6
193-39-5	Indeno(1,2,3-cd)pyrene	10.6	U	0.011	10.6
78-59-1	Isophorone	10.6	U	0.011	10.6
91-20-3	Naphthalene	10.6	U	0.011	10.6
100-01-6	4-Nitroaniline	26.6	U	0.011	26.6
98-95-3	Nitrobenzene	10.6	U	0.011	10.6
100-02-7	4-Nitrophenol	26.6	U	0.011	26.6
87-86-5	Pentachlorophenol	26.6	U	0.011	26.6
85-01-8	Phenanthrene	10.6	U	0.011	10.6
108-95-2	Phenol	10.6	U	0.011	10.6
129-00-0	Pyrene	10.6	U	0.011	10.6
621-64-7	N-Nitroso-di-n-propylamine	10.6	U	0.011	10.6

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW60-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 SAS No.: _____ SDG No.: 205061509 Lab File ID: 2050714/B0331
 Matrix: Water Lab Sample ID: 20506150921
 Sample wt/vol: 940 Units: mL Date Collected: 06/16/05 Time: 1335
 Level: (low/med) LOW Date Received: 06/17/05
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 06/20/05
 GC Column: DB-5MS-30M ID: .25 (mm) Date Analyzed: 07/14/05 Time: 1515
 Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst: JAR3
 Injection Volume: 1.0 (µL) Prep Method: OLM4.2 SVOA
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Instrument ID: MSSV3
 Prep Batch: 293939 Analytical Batch: 295505

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.6	U	0.011	10.6
95-48-7	o-Cresol	10.6	U	0.011	10.6

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061509
 Matrix: Water
 Sample wt/vol: _____ Units: _____
 Level: (low/med) _____
 % Moisture: not dec. _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW60-1014
 Contract: _____
 Lab File ID: 2050714/B0331
 Lab Sample ID: 20506150921
 Date Collected: 06/16/05 Time: 1335
 Date Received: 06/17/05
 Date Extracted: _____
 Date Analyzed: 07/14/05 Time: 1515
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: _____
 Analytical Method: SW-846 8270C
 Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	603-11-2	1,2-Benzenedicarboxylic acid,	6.279	11.7	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061509

Matrix: Water

Sample w/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted: (Y/N) _____

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW58-1014

Contract: _____

Lab File ID: 2050714/B0332

Lab Sample ID: 20506150922

Date Collected: 06/16/05 Time: 1005

Date Received: 06/17/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1534

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

Prep Batch: 293939 Analytical Batch: 295505

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061509
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW58-1014
 Contract: _____
 Lab File ID: 2050714/B0332
 Lab Sample ID: 20506150922
 Date Collected: 06/16/05 Time: 1005
 Date Received: 06/17/05
 Date Extracted: 06/20/05
 Date Analyzed: 07/14/05 Time: 1534
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

9/8/05
mw

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW58-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
SAS No.: _____ SDG No.: <u>205061509</u>	Lab File ID: <u>2050714/B0332</u>
Matrix: <u>Water</u>	Lab Sample ID: <u>20506150922</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Date Collected: <u>06/16/05</u> Time: <u>1005</u>
Level: (low/med) <u>LOW</u>	Date Received: <u>06/17/05</u>
% Moisture: _____ decanted: (Y/N) _____	Date Extracted: <u>06/20/05</u>
GC Column: <u>DB-5MS-30M</u> ID: <u>.25</u> (mm)	Date Analyzed: <u>07/14/05</u> Time: <u>1534</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Dilution Factor: <u>1</u> Analyst: <u>JAR3</u>
Injection Volume: <u>1.0</u> (µL)	Prep Method: <u>OLM4.2 SVOA</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
CONCENTRATION UNITS: <u>ug/L</u>	Instrument ID: <u>MSSV3</u>
	Prep Batch: <u>293939</u> Analytical Batch: <u>295505</u>

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL
Lab Code: LA024 Case No.: _____
SAS No.: _____ SDG No.: 205061509
Matrix: Water
Sample wt/vol: _____ Units: _____
Level: (low/med) _____
% Moisture: not dec. _____
GC Column: DB-5MS-30M ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKGW58-1014
Contract: _____
Lab File ID: 2050714/B0332
Lab Sample ID: 20506150922
Date Collected: 06/16/05 Time: 1005
Date Received: 06/17/05
Date Extracted: _____
Date Analyzed: 07/14/05 Time: 1534
Dilution Factor: 1 Analyst: JAR3
Prep Method: _____
Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 603-11-2	1,2-Benzenedicarboxylic acid,	6.278	5.74	

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW06R-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample w/vol: 1000 Units: mL Lab Sample ID: 20506150901
 Level: (low/med) LOW Date Collected: 06/14/05 Time: 1515
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/15/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/20/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/05 Time: 0435
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: TLS
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 293938 Analytical Batch: 294768 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A019

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-88-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW07R-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506150902
 Level: (low/med) LOW Date Collected: 06/14/05 Time: 1555
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/15/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/20/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/05 Time: 0453
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: TLS
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 293938 Analytical Batch: 294768 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1018	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No: _____
 Matrix: Water
 Sample w/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: _____ ID: _____ (mm)
 Concentrated Extract Volume: 1000 (µL)
 Soil Aliquot Volume: _____ (µL)
 Injection Volume: 1 (µL)
 GPC Cleanup: (Y/N) N pH: _____
 Prep Batch: 203938 Analytical Batch: 294768

Sample ID: SKGW58-1014
 Contract: _____
 SAS No: _____ SDG No.: 205061509
 Lab Sample ID: 20506150907
 Date Collected: 06/15/05 Time: 1310
 Date Received: 06/16/05
 Date Extracted: 06/20/05
 Date Analyzed: 06/24/05 Time: 0511
 Dilution Factor: 1 Analyst: TLS
 Prep Method: OLM4.2 PEST/PCB
 Analytical Method: OLMO 4.2
 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A021

CAS NO. COMPOUND

RESULT

Q

MDL

RL

72-54-8	4,4-DDD	0.100	U	0.000100	0.100
72-55-9	4,4-DDE	0.100	U	0.000100	0.100
50-29-3	4,4-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: _____ ID: _____ (mm)
 Concentrated Extract Volume: 1000 (µL)
 Soil Aliquot Volume: _____ (µL)
 Injection Volume: 1 (µL)
 GPC Cleanup: (Y/N) N pH: _____
 Prep Batch: 293938 Analytical Batch: 294768

Sample ID: SKGW61-1014
 Contract: _____
 SAS No.: _____ SDG No.: 205061509
 Lab Sample ID: 20506150909
 Date Collected: 06/15/05 Time: 1445
 Date Received: 06/16/05
 Date Extracted: 06/20/05
 Date Analyzed: 06/24/05 Time: 0546
 Dilution Factor: 1 Analyst: TLS
 Prep Method: OLM4.2 PEST/PCB
 Analytical Method: OLMO 4.2
 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A023

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1018	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW64-1014</u>
Lab Code: <u>LA024</u> Case No: _____	Contract: _____
Matrix: <u>Water</u>	SAS No.: _____ SDG No.: <u>205061509</u>
Sample w/vol: <u>1000</u> Units: <u>mL</u>	Lab Sample ID: <u>20506150910</u>
Level: (low/mid) <u>LOW</u>	Date Collected: <u>06/15/05</u> Time: <u>0945</u>
% Moisture: _____ decanted: (Y/N) _____	Date Received: <u>06/16/05</u>
GC Column: _____ ID: _____ (mm)	Date Extracted: <u>06/20/05</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Date Analyzed: <u>06/24/05</u> Time: <u>0604</u>
Soil Aliquot Volume: _____ (µL)	Dilution Factor: <u>1</u> Analyst: <u>TLS</u>
Injection Volume: <u>1</u> (µL)	Prep Method: <u>OLM4.2 PEST/PCB</u>
GPC Cleanup: (Y/N) <u>N</u> pH _____	Analytical Method: <u>OLMO 4.2</u>
Prep Batch: <u>293838</u> Analytical Batch: <u>294768</u>	Sulfur Cleanup: (Y/N) <u>N</u> Instrument ID: <u>GCS12A</u>

CONCENTRATION UNITS: µg/L

Lab File ID: 2050623/SV12A024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-83-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
78-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW63-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506150911
 Level: (low/med) LOW Date Collected: 06/15/05 Time: 1035
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/16/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/20/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/05 Time: 0622
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: TLS
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 293938 Analytical Batch: 294768 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A025

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW62A-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506150912
 Level: (low/med) LOW Date Collected: 06/15/05 Time: 1130
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/16/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/20/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/05 Time: 0640
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: TLS
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 293838 Analytical Batch: 294768 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: µg/L

Lab File ID: 2050623/SV12A026

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
308-00-2	Aldrin	0.050	U	0.000100	0.050
12874-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12872-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11098-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
958-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53484-70-5	Endrin ketone	0.100	U	0.000100	0.100
78-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW80-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 850 Units: mL Lab Sample ID: 20506150921
 Level: (low/med) LOW Date Collected: 06/16/05 Time: 1335
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/17/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/20/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/05 Time: 0809
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: TLS
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 293938 Analytical Batch: 294768 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A031

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.118	U	0.000118	0.118
72-55-9	4,4'-DDE	0.118	U	0.000118	0.118
50-29-3	4,4'-DDT	0.118	U	0.000118	0.118
309-00-2	Aldrin	0.059	U	0.000118	0.059
12674-11-2	Aroclor-1016	1.18	U	0.000118	1.18
11104-28-2	Aroclor-1221	2.35	U	0.000118	2.35
11141-16-5	Aroclor-1232	1.18	U	0.000118	1.18
53469-21-9	Aroclor-1242	1.18	U	0.000118	1.18
12672-29-6	Aroclor-1248	1.18	U	0.000118	1.18
11097-69-1	Aroclor-1254	1.18	U	0.000118	1.18
11096-82-5	Aroclor-1260	1.18	U	0.000118	1.18
60-57-1	Dieldrin	0.118	U	0.000118	0.118
959-98-8	Endosulfan I	0.059	U	0.000118	0.059
33213-65-9	Endosulfan II	0.118	U	0.000118	0.118
1031-07-8	Endosulfan sulfate	0.118	U	0.000118	0.118
72-20-8	Endrin	0.118	U	0.000118	0.118
7421-93-4	Endrin aldehyde	0.118	U	0.000118	0.118
53494-70-5	Endrin ketone	0.118	U	0.000118	0.118
76-44-8	Heptachlor	0.059	U	0.000118	0.059
1024-57-3	Heptachlor epoxide	0.059	U	0.000118	0.059
72-43-5	Methoxychlor	0.588	U	0.000118	0.588
8001-35-2	Toxaphene	5.88	U	0.000118	5.88
319-84-6	alpha-BHC	0.059	U	0.000118	0.059
5103-71-9	alpha-Chlordane	0.059	U	0.000118	0.059
319-85-7	beta-BHC	0.059	U	0.000118	0.059
319-86-8	delta-BHC	0.059	U	0.000118	0.059
58-89-9	gamma-BHC (Lindane)	0.059	U	0.000118	0.059
5103-74-2	gamma-Chlordane	0.059	U	0.000118	0.059

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW58-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample w/vol: 1000 Units: mL Lab Sample ID: 20506150922
 Level: (low/med) LOW Date Collected: 06/16/05 Time: 1005
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/17/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/20/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/05 Time: 0627
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: TLS
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 293938 Analytical Batch: 294768 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: µg/L

Lab File ID: 2050623/SV12A032

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12874-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12872-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-09-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-08-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-83-4	Endrin aldehyde	0.100	U	0.000100	0.100
53484-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-8	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-88-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW07R-1014 RE
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506150942
 Level: (low/med) LOW Date Collected: 06/14/05 Time: 1555
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/15/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/24/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/25/05 Time: 1633
 Soil Allquot Volume: _____ (µL) Dilution Factor: 1 Analyst: SJT
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 295010 Analytical Batch: 295507 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A
 Lab File ID: 2050625/SV12A004

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW59-1014 RE
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample w/vol: 1000 Units: mL Lab Sample ID: 20506150931
 Level: (low/mid) LOW Date Collected: 06/15/05 Time: 1310
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/16/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/24/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/25/05 Time: 1651
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: SJT
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 295010 Analytical Batch: 295507 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050625/SV12A005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4-DDD	0.100	U	0.000100	0.100
72-55-9	4,4-DDE	0.100	U	0.000100	0.100
50-29-3	4,4-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12874-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-18-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1280	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53484-70-5	Endrin isomers	0.100	U	0.000100	0.100
78-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-8	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW81-1014 RE</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
Matrix: <u>Water</u>	SAS No.: _____ SDG No.: <u>205061509</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Lab Sample ID: <u>20506150933</u>
Level: (low/med) <u>LOW</u>	Date Collected: <u>06/15/05</u> Time: <u>1445</u>
% Moisture: _____ decanted: (Y/N) _____	Date Received: <u>06/16/05</u>
GC Column: _____ ID: _____ (mm)	Date Extracted: <u>08/24/05</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Date Analyzed: <u>08/25/05</u> Time: <u>1726</u>
Soil Aliquot Volume: _____ (µL)	Dilution Factor: <u>1</u> Analyst: <u>SJT</u>
Injection Volume: <u>1</u> (µL)	Prep Method: <u>OLM4.2 PEST/PCB</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
Prep Batch: <u>295010</u> Analytical Batch: <u>295507</u>	Sulfur Cleanup: (Y/N) <u>N</u> Instrument ID: <u>GCS12A</u>
CONCENTRATION UNITS: <u>ug/L</u>	Lab File ID: <u>2050625/SV12A007</u>

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53468-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-8	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW64-1014 RE
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506150934
 Level: (low/med) LOW Date Collected: 06/15/05 Time: 0945
 % Moisture: _____ deaerated: (Y/N) _____ Date Received: 06/16/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/24/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/25/05 Time: 1744
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: SJT
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 295010 Analytical Batch: 295507 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: µg/L

Lab File ID: 2050625/SV12A008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53484-70-5	Endrin isoxone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKGW63-1014 RE
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061509
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506150935
 Level: (low/med) LOW Date Collected: 06/15/05 Time: 1035
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/16/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/24/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/25/05 Time: 1802
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: SJT
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 295010 Analytical Batch: 295507 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050625/SV12A009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: SKGW62A-1014 RE

Lab Code: LA024 Case No.: _____

Contract: _____

Matrix: Water

SAS No.: _____ SDG No.: 205061509

Sample wt/vol: 1000 Units: ml

Lab Sample ID: 20506150938

Level: (low/med) LOW

Date Collected: 06/15/05 Time: 1130

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/16/05

GC Column: _____ ID: _____ (mm)

Date Extracted: 06/24/05

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 06/25/05 Time: 1820

Soil Aliquot Volume: _____ (µL)

Dilution Factor: 1 Analyst: SJT

Injection Volume: 1 (µL)

Prep Method: OLM4.2 PEST/PCB

GPC Cleanup: (Y/N) N pH: _____

Analytical Method: OLMO 4.2

Prep Batch: 295010 Analytical Batch: 295507

Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050625/SV12A010

CAS NO. COMPOUND

RESULT

Q

MDL

RL

72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
308-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-8	Aroclor-1248	1.00	U	0.000100	1.00
11087-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11086-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
958-88-8	Endosulfan I	0.050	U	0.000100	0.050
33213-85-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53484-70-5	Endrin isoxone	0.100	U	0.000100	0.100
78-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-88-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKGW58-1014 RE</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
Matrix: <u>Water</u>	SAS No.: _____ SDG No.: <u>205061509</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Lab Sample ID: <u>20506150939</u>
Level: (low/med) <u>LOW</u>	Date Collected: <u>06/16/05</u> Time: <u>1005</u>
% Moisture: _____ decanted: (Y/N) _____	Date Received: <u>06/17/05</u>
GC Column: _____ ID: _____ (mm)	Date Extracted: <u>06/24/05</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Date Analyzed: <u>06/25/05</u> Time: <u>1856</u>
Soil Aliquot Volume: _____ (µL)	Dilution Factor: <u>1</u> Analyst: <u>SJT</u>
Injection Volume: <u>1</u> (µL)	Prep Method: <u>OLM4.2 PEST/PCB</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
Prep Batch: <u>295010</u> Analytical Batch: <u>295507</u>	Sulfur Cleanup: (Y/N) <u>N</u> Instrument ID: <u>GCS12A</u>

CONCENTRATION UNITS: ug/L

Lab File ID: 2050625/SV12A012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
SOW No.: _____

EPA Sample No	Lab Sample ID
<u>SKGW06R-1014</u>	<u>20506150901</u>
<u>SKGW07R-1014</u>	<u>20506150902</u>
<u>SKGW06R-1014 (DISS)</u>	<u>20506150904</u>
<u>SKGW07R-1014 (DISS)</u>	<u>20506150905</u>
<u>SKGW59-1014</u>	<u>20506150907</u>
<u>SKGW59-1014 DUPE</u>	<u>20506150908</u>
<u>SKGW61-1014</u>	<u>20506150909</u>
<u>SKGW64-1014</u>	<u>20506150910</u>
<u>SKGW63-1014</u>	<u>20506150911</u>
<u>SKGW62A-1014</u>	<u>20506150912</u>
<u>SKGW59-1014 (DISS)</u>	<u>20506150914</u>
<u>SKGW59-1014 (DISS) DUP</u>	<u>20506150915</u>
<u>SKGW61-1014 (DISS)</u>	<u>20506150916</u>
<u>SKGW64-1014 (DISS)</u>	<u>20506150917</u>
<u>SKGW63-1014 (DISS)</u>	<u>20506150918</u>

Were ICP interelement corrections applied ? Yes / No YES
Were ICP background corrections applied ? Yes / No YES
If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman
Date: 7/18/05

Name: MARK PETERMAN
Title: METALS SUPERVISOR

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
SOW No.: _____

<u>EPA Sample No</u>	<u>Lab Sample ID</u>
<u>SKGW62A-1014 (DISS)</u>	<u>20506150919</u>
<u>SKGW60-1014</u>	<u>20506150921</u>
<u>SKGW58-1014</u>	<u>20506150922</u>
<u>SKGW58-1014 MS</u>	<u>20506150923</u>
<u>SKGW58-1014 DUP</u>	<u>20506150925</u>
<u>SKGW60-1014 (DISS)</u>	<u>20506150927</u>
<u>SKGW58-1014 (DISS)</u>	<u>20506150928</u>
<u>SKGW58-1014 MS(DISS)</u>	<u>20506150929</u>
<u>SKGW58-1014 DUP(DISS)</u>	<u>20506150930</u>

Were ICP interelement corrections applied ? Yes / No YES
Were ICP background corrections applied ? Yes / No YES
If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman
Date: 7/18/05

Name: MARK PETERMAN
Title: METALS SUPERVISOR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW06R-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil / water) Water Lab Sample ID: 20506150901
 Level: (low / med) _____ Date Received: 06/15/05
 % Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7510		E	P
7440-36-0	Antimony	11.5	B		P
7440-38-2	Arsenic	5.2	B		P
7440-39-3	Barium	397			P
7440-41-7	Beryllium	0.2	B		P
7440-43-8	Cadmium	0.1	U		P
7440-70-2	Calcium	263000		E	P
7440-47-3	Chromium	9.7	B		P
7440-48-4	Cobalt	12.5	B		P
7440-50-8	Copper	17.3	B	E	P
7439-89-6	Iron	21900		E	P
7439-92-1	Lead	14.8			P
7439-95-4	Magnesium	63000		E	P
7439-96-5	Manganese	1460		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	4080	B	E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	23700		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	29.9	B	E	P
7440-66-8	Zinc	66.6			P
57-12-5	Cyanide	0.6	U		AS

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Color Before: LT. YELLOW Clarity Before: CLEAR Texture: _____
 Color After: LT. YELLOW Clarity After: CLEAR Artifacts: _____
 Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW07R-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil / water) Water Lab Sample ID: 20506150902
 Level: (low / med) _____ Date Received: 06/15/05
 % Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	23300		E	P	J
7440-36-0	Antimony	18.6	B		P	
7440-38-2	Arsenic	7.6	B		P	
7440-39-3	Barium	1120			P	
7440-41-7	Beryllium	1.1	B		P	
7440-43-9	Cadmium	0.1	U		P	
7440-70-2	Calcium	293000		E	P	J
7440-47-3	Chromium	44.2			P	
7440-48-4	Cobalt	17.8	B		P	
7440-50-8	Copper	50.8		E	P	J
7439-89-6	Iron	63600		E	P	J
7439-92-1	Lead	29.5			P	
7439-95-4	Magnesium	73000		E	P	J
7439-96-5	Manganese	2340		E	P	J
7439-97-6	Mercury	0.1	U		AV	
7440-02-0	Nickel	28.1	B		P	
7440-09-7	Potassium	5940		E	P	
7782-49-2	Selenium	3.5	U	N	P	R
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	27500		E	P	J
7440-28-0	Thallium	4.1	U	N	P	UJ
7440-62-2	Vanadium	47.0	B	E	P	J
7440-66-6	Zinc	146			P	
57-12-5	Cyanide	0.6	U		AS	

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Color Before: LT.BROWN Clarity Before: CLEAR Texture: _____
 Color After: LT.BROWN Clarity After: CLEAR Artifacts: _____
 Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW06R-1014 (DISS)

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix (soil / water) Water

Lab Sample ID: 20506150904

Level: (low / med) _____

Date Received: 06/15/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.4	B		P
7440-36-0	Antimony	5.4	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	253			P
7440-41-7	Beryllium	0.1	U		P
7440-43-8	Cadmium	0.1	U		P
7440-70-2	Calcium	199000			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-82-1	Lead	1.4	U		P
7439-95-4	Magnesium	34000			P
7439-96-5	Manganese	224			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	2680	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	22800			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	11.9	B		P
7440-66-6	Zinc	12.1	B		P

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Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW07R-1014 (DISS)

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix: (soil / water) Water

Lab Sample ID: 20506150905

Level: (low / med) _____

Date Received: 06/15/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.0	B		P
7440-36-0	Antimony	6.0	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	111	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	32.8			P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	56.1	B		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	29400			P
7439-96-5	Manganese	908			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	2400	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	26600			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	11.0	B		P
7440-66-6	Zinc	14.3	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW59-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix (soil / water) Water Lab Sample ID: 20506150907
 Level: (low / med) _____ Date Received: 06/16/05
 % Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2390		E	P
7440-38-0	Antimony	7.2	B		P
7440-38-2	Arsenic	4.1	B		P
7440-39-3	Barium	85.2	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	238000		E	P
7440-47-3	Chromium	30.7			P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	5.0	B	E	P
7439-89-6	Iron	10500		E	P
7439-92-1	Lead	2.4	B		P
7439-95-4	Magnesium	56000		E	P
7439-96-5	Manganese	566		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	22500		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	148000		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	19.5	B	E	P
7440-66-6	Zinc	36.0			P
57-12-5	Cyanide	0.6	U		AS

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9/13/05
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Color Before: LT. YELLOW Clarity Before: CLEAR Texture: _____
 Color After: LT. YELLOW Clarity After: CLEAR Artifacts: _____
 Comments: _____

EPA SAMPLE NO.

SKGW64-1014

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 205061509

Matrix (soil / water) Water Lab Sample ID: 20506150910

Level: (low / med) Date Received: 06/16/05

% Solids:

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66200		E	P
7440-36-0	Antimony	33.4	B		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	174	B		P
7440-41-7	Beryllium	3.7	B		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	441000		E	P
7440-47-3	Chromium	93.8			P
7440-48-4	Cobalt	63.9			P
7440-50-8	Copper	66.4		E	P
7439-89-6	Iron	150000		E	P
7439-82-1	Lead	56.9			P
7439-95-4	Magnesium	105000		E	P
7439-96-5	Manganese	4290		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	102			P
7440-09-7	Potassium	21000		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	46300		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	89.3		E	P
7440-66-6	Zinc	337			P
57-12-5	Cyanide	0.6	U		AS

9/13/20

Color Before: DK.BROWN

Clarity Before: CLOUDY

Texture:

Color After: **DK.BROWN**

Clarity After: CLOUDY

Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW63-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil / water) Water Lab Sample ID: 20506150911
 Level: (low / med) _____ Date Received: 06/16/05
 % Solids: _____
 Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	99900		E	P
7440-36-0	Antimony	53.5	B		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	617			P
7440-41-7	Beryllium	5.3			P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	922000		E	P
7440-47-3	Chromium	120			P
7440-48-4	Cobalt	99.3			P
7440-50-8	Copper	187		E	P
7439-89-6	Iron	223000		E	P
7439-92-1	Lead	140			P
7439-95-4	Magnesium	184000		E	P
7439-96-5	Manganese	8490		E	P
7439-97-6	Mercury	0.2			AV
7440-02-0	Nickel	171			P
7440-09-7	Potassium	22000		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	71100		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	133		E	P
7440-66-6	Zinc	637			P
57-12-5	Cyanide	0.6	U		AS

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9/13/05
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Color Before: DK.BROWN Clarity Before: CLOUDY Texture: _____
 Color After: DK.BROWN Clarity After: CLOUDY Artifacts: _____
 Comments: _____

EPA SAMPLE NO.

SKGW62A-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509

Matrix (soil / water) Water Lab Sample ID: 20506150912

Level: (low / med) _____ Date Received: 06/16/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : up/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19800		E	P
7440-38-0	Antimony	15.5	B		P
7440-38-2	Arsenic	4.5	B		P
7440-39-3	Barium	464			P
7440-41-7	Beryllium	0.9	B		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	274000		E	P
7440-47-3	Chromium	42.5			P
7440-48-4	Cobalt	20.5	B		P
7440-50-8	Copper	40.8		E	P
7439-89-6	Iron	48000		E	P
7439-92-1	Lead	32.3			P
7439-95-4	Magnesium	79000		E	P
7439-96-5	Manganese	1430		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	15.8	B		P
7440-09-7	Potassium	13200		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	122000		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	42.8	B	E	P
7440-68-6	Zinc	150			P
57-12-5	Cyanide	0.6	B		AS

9/10/19

Color Before: LT.BROWN

Clarity Before: CLEAR

Texture:

Color After: LT.BROWN

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW59-1014 (DISS)

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: (soil / water) Water Lab Sample ID: 20506150914
Level: (low / med) _____ Date Received: 06/16/05
% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	7.7	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	24.6	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	240000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	54600			P
7439-96-5	Manganese	0.1	U		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	23200			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	151000			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	16.0	B		P
7440-66-6	Zinc	12.5	B		P

9/13/05
mm

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW61-1014 (DISS)

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: (soil / water) Water Lab Sample ID: 20506150916
Level: (low / med) _____ Date Received: 06/16/05
% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	7.6	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	46.3	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-0	Cadmium	0.1	U		P
7440-70-2	Calcium	211000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	122			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	45800			P
7439-96-5	Manganese	953			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	7010			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	35400			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	12.9	B		P
7440-66-6	Zinc	13.7	B		P

UJ

7/1/05

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW64-1014 (DISS)

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix: (soil / water) Water Lab Sample ID: 20506150917
Level: (low / med) _____ Date Received: 06/16/05
% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.4	B		P
7440-36-0	Antimony	5.8	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	32.1	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	181000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	57300			P
7439-96-5	Manganese	115			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	10100			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	46300			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	15.8	B		P
7440-66-6	Zinc	7.5	B		P

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9/12/05

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW63-1014 (DISS)

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix: (soil / water) Water

Lab Sample ID: 20506150918

Level: (low / med) _____

Date Received: 06/16/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31.7	B		P
7440-38-0	Antimony	6.4	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	31.0	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	245000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	1840			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	56800			P
7439-96-5	Manganese	1980			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	7300			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	66300			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	14.7	B		P
7440-66-6	Zinc	10.2	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW62A-1014 (DISS)

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix: (soil / water) Water

Lab Sample ID: 20506150919

Level: (low / med) _____

Date Received: 06/16/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.6	B		P
7440-36-0	Antimony	6.7	B		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	112	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	133000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	55900			P
7439-96-5	Manganese	65.0			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	8910			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	126000			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	16.0	B		P
7440-66-6	Zinc	5.5	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW60-1014

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix (soil / water) Water

Lab Sample ID: 20506150921

Level: (low / med) _____

Date Received: 06/17/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74200		E	P
7440-38-0	Antimony	36.7	B		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	181	B		P
7440-41-7	Beryllium	4.3	B		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	568000		E	P
7440-47-3	Chromium	106			P
7440-48-4	Cobalt	77.6			P
7440-50-8	Copper	83.7		E	P
7439-89-6	Iron	160000		E	P
7439-92-1	Lead	78.7			P
7439-95-4	Magnesium	86700		E	P
7439-96-5	Manganese	4340		E	P
7439-97-6	Mercury	0.2			AV
7440-02-0	Nickel	105			P
7440-09-7	Potassium	19100		P	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	19500		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	103		E	P
7440-66-6	Zinc	391			P

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9/13/05
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Color Before: DK.BROWN

Clarity Before: CLOUDY

Texture: _____

Color After: DK.BROWN

Clarity After: CLOUDY

Artifacts: _____

Comments: _____

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
 Matrix: (soil / water) Water Lab Sample ID: 20506150922
 Level: (low / med) _____ Date Received: 06/17/05
 % Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17600		E	P
7440-36-0	Antimony	14.6	B		P
7440-38-2	Arsenic	6.8	B		P
7440-39-3	Barium	364			P
7440-41-7	Beryllium	0.8	B		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	277000		E	P
7440-47-3	Chromium	34.4			P
7440-48-4	Cobalt	16.4	B		P
7440-50-8	Copper	41.5		E	P
7439-89-6	Iron	45400		E	P
7439-92-1	Lead	20.7			P
7439-95-4	Magnesium	73800		E	P
7439-96-5	Manganese	1300		E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	17.8	B		P
7440-09-7	Potassium	8380		E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	34700		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	38.0	B	E	P
7440-66-6	Zinc	128			P
57-12-5	Cyanide	0.6	U		AS

9/13/05
mm

Color Before: LT.BROWN Clarity Before: CLEAR Texture: _____
 Color After: LT.BROWN Clarity After: CLEAR Artifacts: _____
 Comments: _____

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW60-1014 (DISS)

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061509
Matrix (soil / water) Water Lab Sample ID: 20506150927
Level: (low / med) _____ Date Received: 06/17/05
% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.4	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	4.5	B	N	P
7440-39-3	Barium	18.7	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	137000			P
7440-47-3	Chromium	5.1	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-85-4	Magnesium	30100			P
7439-96-5	Manganese	0.9	B		P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	6810			P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	20300			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	11.3	B		P
7440-66-6	Zinc	9.9	B		P

US

9/13/05
mn

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKGW58-1014 (DISS)

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061509

Matrix: (soil / water) Water

Lab Sample ID: 20506150928

Level: (low / med) _____

Date Received: 06/17/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.4	U		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	151	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	114000			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	34500			P
7439-96-5	Manganese	84.7			P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	4110	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	30600			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	11.7	B		P
7440-66-6	Zinc	10.1	B		P

UJ

9/13/05
mm

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

CHAIN OF CUSTODY RECORD

Lab use only

Earth Tech

4342

205061509

6-30-05

Client Name

Client #

Workorder #

Due Date

Report to:

Bill to:

Client: EARTH TECH

Client: Glenn SPRINGS

Address: 2373 Progress Dr
Hebron, KY 41048

Address: CONTRACT

Contact: Pat HIGGINS

Contact:

Phone: 859-442-2300

Phone:

Fax: 859-442-2311

Fax:

P.O. Number

Project Name/Number

54280.01

SKINNER Landfill - 2nd Qtr. 05

Sampled By:

Roger Huth

Matrix¹ Date Time (2400)

Coed

Q

Q

Sample Description

Wt/Spec

Preservatives

No Containers

Semi-Volatiles

Pesticides

PCB's

Total Metals

Dissolved Metal

CYANIDE

D:SS

MM

Remarks:

Lab ID

W 6-15-05 1035

X SKGW63-1014 -35

Various

7

X

X

X

X

X

X

-11

44

Refer to Table

W 6-15-05 0945

X SKGW64-1014 -34

4

7

1

1

1

1

1

1

-12

45

7(TCL) and

Table 8 (TAC)

of the final

O & M Plan

for the list

of analytes

Turn Around Time:

☐ 24-48 hrs.

☐ 3 days

☐ 1 week

☒ Standard

☐ Other

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Note:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Samples sent via Fed Ex
Standard Turnaround

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services



GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Earth Tech

4342

205061509

6-30-05

Client Name

Client #

Workorder #

Due Date

Report to:

Bill to:

Client: EARTH TECH
Address: 2373 Progress Dr
Hebron, KY 41048
Contact: Pat Higgins
Phone: 859-442-2300
Fax: 859-442-2311

Client: Glenn Springs
Address: Contract
Contact: _____
Phone: _____
Fax: _____

Analytical Requests & Method

Lab use only:

Custody Seal

used ☒ yes ☐ no

In tact ☒ yes ☐ no

Temperature °C 3

P.O. Number

54280.01

Project Name/Number

SKINNER LANDFILL - 2nd Qtr 05

Sampled By:

Roger Hutt / Ken Collins

Matrix ¹	Date	Time (2400)	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCBs	Total Metals	Dissolved Metals	CYANIDE	Remarks	Lab ID
W 6-15-05	1130	X	SKGW 62A-1014	36	Various	7	X	X	X	X	X	Refer to Table 9 and Table 8 (TAC) of the final O & M Plan for the list of analytes	1
W 6-15-05	1445	X	SKGW 61-1014	33	4	7	X	X	X	X	X		

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other _____

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Note:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Samples sent via Fed Ex
Standard turn around

WHITE: CLIENT FINAL REPORT - CANARY: LABORATORY - PINK: CLIENT

CAL-06 11/98

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

Lab use only

Earth Tech

4342

205661509

7-1-05

Client Name

Client #

Workorder #

Due Date

Report to:

Client: EARTH TECH

Address: 2373 Progress DR,
Hebron, KY 41048

Contact: PAT HIGGINS

Phone: 859-442-2300

Fax: 859-442-2311

Bill to:

Client: Glenn SPRINGS

Address: Contract

Contact:

Phone:

Fax:

Analytical Requests & Method

Lab use only:

Custody Seal

used ☒ yes ☐ noin tact ☒ yes ☐ no

Temperature °C 4

P.O. Number

54280.01

Project Name/Number

Skinner Landfill - 2nd Qtr, 05

Sampled By:

Roger Huth / Ken Collins

Matrix	Date	Time (2400)	Comp	Sample Description	Preservatives	No Containers	Semi-Volatiles	Pesticides	PCBs	Total Metals	Dissolved Metals	CYANIDE	Volatiles	Disch	Remarks:	Lab ID
W	6-16-05	1300	X	SKGW 66-1014 -37	Various	10	X	X	X	X	X	X	X	-26	Refer to Table	-20
W	7/16/05	1335	X	SKGW 60-1014 *36	4	4	1	1	1	1	1	1	X	-27	7 (TCL) and	-21
W	1005		X	SKGW 58-1014 -39		3							X		Table 8 (TAC)	-22
W	1030		X	SKGW 58-1014 MS-410		3							X		of the final	-23
W	1055		X	SKGW 58-1014 MSD-411		3							X		O&M Plan	-24
W	1440		X	SKSWS 2-1014		3							X		for the list	
W	1515		X	F.B.		3							X		of analytes	
W	1130		X	E.B.		3							X			
W			X	T.B.		3							X			

* well ran dry - no CYANIDE, 1-semi, 1-PCB

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)

Received by: (Signature)

Date: 6-16-05

Time: 1800

Relinquished by: (Signature)

Received by: (Signature)

Date: 6-17-05

Time: 1020

Note: SAMPLES SENT VIA FED EX

STANDARD TURNAROUND * Samples are in a separate workorder

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

CHAIN OF CUSTODY RECORD

Lab use only

Earth Tech

4342

205061509

7-1-05

Client Name

Client #

Workorder #

Due Date

Report to:

Bill to

Analytical Requests & Method

Lab use only:

Custody Seal

used ☒ yes ☐ no

in tact ☒ yes ☐ no

Temperature °C Y

Client: EARTH TECH

Client: Glenn SPRINGS

Address: 2373 Progress Dr.

Address: Contract

Hebron, Ky 41048

Contact: PAT HIGGINS

Contact:

Phone: 859-442-2300

Phone:

Fax: 859-442-2311

Fax:

P.O. Number

Project Name/Number

54280.01

SKINNER Landfill - 2nd Qtr. 05

Sampled By:

ROGER HUTH / Ken Collins

Matrix

Date

Time (2400)

Case

Sample Description

Reception

Preservatives

No Containers

W 6/16/05

X SKGW58-1014

34

Various

7

W 6/16/05

X SKGW58-1014

MS 4

N

7

X Semi-Volatiles

X Pesticides

X PCB's

X Total Metals

X Dissolved Metals

X Cyanide

D: 55

-26

-24

Remarks:

Refer to Table 7 (TCL) and Table 8 (TAC) of the final O&M Plan for the list of analytes

Lab ID

6 / 17

-22

-23

Turn Around Time:

☐ 24-48 hrs.

☐ 3 days

☐ 1 week

☒ Standard

☐ Other

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Fax: 7905 47640424

Received by: (Signature)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Note:

Samples Sent via Fed Ex Standard Turnaround

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

DATA VALIDATION REPORT
FOR
SKINNER LANDFILL SITE
EARTH TECH: PROJECT NUMBER 54280
LABORATORY REPORT NUMBER 205061709
PROJECT MANAGER: Ron Rolker
Date: October 10, 2005
Data Validator: Mark Kromis

LIST OF ACRONYMS

BFB	Bromofluorobenzene
CC	Continuing Calibration
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blanks
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
DFTPP	Decafluorotriphenylphosphine
GC/MS	Gas Chromatograph/Mass Spectrometer
IC	Initial Calibration
ICB	Initial Calibration Blank
IDL	Instrument Detection Limit
ICP	Inductively Coupled Plasma
ICS	Interference Check Sample
ICV	Initial Calibration Verification
ILM	Inorganic Analysis Multi-Media Multi-Concentration
INDAM	Individual A Mixture
INDBM	Individual B Mixture
mg/L	milligrams per liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
OLC	Organic Analysis Low Concentration
OLM	Organic Analysis Multi-Media Multi-Concentration
%D	Percent Difference
% RSD	Percent Relative Standard Deviation
PB	Preparation Blanks
QC	Quality Control
RF	Response Factor
RPD	Relative Percent Difference
RRF	Relative Response Factor
SDG	Sample Delivery Group
SOW	Statement of Work
µg/L	micrograms per liter
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
VTSR	Validated Time of Sample Receipt

**DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205061709
INORGANICS**

Validation of the inorganics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Inorganic Data Review, (US EPA, February, 1994), as appropriate. The results were reported by GCAL under Sample Delivery Group (SDG) 205061709.

GCAL #	Sample Description
20506170901	SKSW52-1014
20506170902	SKSWFB-1014
20506170903	SKGWEB-1014
20506170904	SKSW52-1014 (DISS)
20506170905	SKSWFB-1014 (DISS)
20506170906	SKGWEB-1014 (DISS)
20506170909	SKSW50-1014
20506170910	SKSW50-1014 MS
20506170912	SKSW50-1014 DUP
20506170913	SKSW50-1014 DUPE
20506170914	SKSWEB-1014
20506170915	SKSW51-1014
20506170916	SKSW50-1014 (DISS)
20506170917	SKSW50-1014 MS (DISS)
20506170918	SKSW50-1014 DUP (DISS)
20506170919	SKSW50-1014 DUPE (DISS)
20506170920	SKSWEB-1014 (DISS)
20506170921	SKSW51-1014 (DISS)

INTRODUCTION

Analyses of metals were performed according to Contract Laboratory Program (CLP)-Inorganic Analysis Multi-media Multi-concentration ILM04.1 Statement of Work (SOW). Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values maybe used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the inorganics data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Calibration
 - A. Initial Calibration (IC)
 - B. Continuing Calibration (CC)
3. Blanks
4. Inductively Coupled Plasma (ICP) Interference Check Sample
5. Laboratory Control Sample (LCS)
6. Duplicate Analysis
7. Spike Sample Analysis
8. ICP Serial Dilution
9. System Performance
10. Documentation
11. Overall Assessment

1. HOLDING TIMES

All samples for inorganics analyses were analyzed within the 180-day holding time for preserved aqueous samples. Mercury analyses were conducted within the 28-day holding time for aqueous samples undergoing CLP protocol. Cyanide analyses were conducted within the 14-day holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. CALIBRATION

A. Initial Calibration

The percent recoveries for the Initial Calibration Verification (ICV) standard were within Quality Control (QC) limits for all constituents.

B. Continuing Calibration

The percent recoveries for the Continuing Calibration Verification (CCV) standard were within QC limits for all constituents.

3. BLANKS

The Initial Calibration Blank (ICB), Continuing Calibration Blanks (CCB) and Preparation Blanks (PB) were analyzed at the appropriate frequencies. No constituents were detected in the ICB, CCB, and PB blanks above the corresponding Contract Required Detection Limit (CRDL) with the exception of Selenium in the ICB, CCB#5, CCB#9 and Iron in the PB for the run dated 6/30/05. As per the National Functional Guidelines; sample results greater than the IDL but less than 5 times the amount found in any blank should be qualified as (U). If any analyte concentration in the PB is above the CRDL, the lowest concentration of that analyte in the associated samples must be 10 times the PB concentration. Otherwise, all samples associated with that blank should have been redigested and reanalyzed. Technically the samples should have been re-digested and re-analyzed for Selenium and Iron.

4. ICP INTERFERENCE CHECK SAMPLE

Results for the ICP analysis of the Interference Check Sample (ICS) solution AB were within 20% of the true value.

5. LABORATORY CONTROL SAMPLES

Recoveries were within the control limit (80-120%) for all constituents.

6. DUPLICATE ANALYSIS

The laboratory used sample SKSW50-1014 (total and dissolved fractions) for the duplicate sample. The Relative Percent Difference (RPD) between the sample and duplicate results for the total and dissolved fractions were within the acceptance criteria (<20%) for all target analytes.

7. SPIKE SAMPLE ANALYSIS

The laboratory used sample SKSW50-1014 (total and dissolved) for the matrix spike sample. The MS percent recoveries were within the acceptance criteria (75%-125%) with the exception of Selenium (0%) in the total and dissolved fractions. As per the National Functional Guidelines: if the percent recovery is less than 30% qualify detected results with "J" and non-detected results with "R".

8. ICP SERIAL DILUTION

As noted in the National Functional Guidelines: If the analyte concentration is at least 50 times above the IDL, its serial dilution analysis must then agree within 10% of the original determination after corrected for dilution. The serial dilution is performed to determine whether any significant chemical or physical interference's exist due to matrix effects. The serial dilution percent differences were within the acceptance criteria for all target analytes with the exception of Manganese associated with the total and dissolved fractions. As per the National Functional Guidelines, if the serial dilution criterion is not met then qualify the associated results for that analyte with "J".

9. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

10. DOCUMENTATION

The documentation submitted for review appeared accurate and in order with the exception of an "E" qualifier associated with the total results for Aluminum, Calcium, Iron, Copper, Magnesium, Potassium, Sodium, and Vanadium; a "N" qualifier associated with the total results for Thallium; and a "N" qualifier associated with the dissolved results for Arsenic. The laboratory qualified the results with an "E" and "N" because they were analyzed in conjunction with the ground water samples for SDG 205601509. The samples analyzed with SDG 205061709 are surface water samples therefore the data validator crossed out the "E" associated with Aluminum, Calcium, Iron, Copper, Magnesium, Potassium, Sodium, and Vanadium and the "N" qualifiers associated with the Thallium and Arsenic results for the surface water samples with a single line and dated and initialized the correction. The laboratory also failed to qualify the dissolved Manganese results with an "E" therefore the data validator manually made the correction.

11. OVERALL ASSESSMENT

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 98%, 80%, and 77%.

The percent recoveries for Nickel in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 80%, 78%, and 79%.

The percent recoveries for Selenium in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 116%, 122%, and 143%.

The percent recoveries for Zinc in the Contract Required Detection Limit (CRDL) standards analyzed on 6/30/05 were 109%, 136%, and 118%.

The percent recoveries for Lead in the Contract Required Detection Limit (CRDL) standards analyzed on 7/1/05 were 102%, 73%, and 78%.

The percent recoveries for Nickel in the Contract Required Detection Limit (CRDL) standards analyzed on 7/1/05 were 68%, 64%, and 65%.

If the CRDL is greater than 120% then detected results greater than the IDL but less than two times the CRDL are qualified as estimated with "J". If the CRDL is below 80% then detected results are qualified as estimated with "J" and the non-detected results were qualified with "UJ".

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205061709 SEMIVOLATILE ORGANICS

Validation of the Gas Chromatograph/Mass Spectrometer (GC/MS) semi-volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999) as appropriate. The results were reported by GCAL under SDG 205061709.

GCAL #	Sample Description
20506170901	SKSW52-1014
20506170902	SKSWFB-1014
20506170903	SKGWEB-1014
20506170909	SKSW50-1014
20506170910	SKSW50-1014 MS
20506170911	SKSW50-1014 MSD
20506170913	SKSW50-1014 DUPE
20506170914	SKSWEB-1014
20506170915	SKSW51-1014

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various data qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the semivolatile data validation findings and conclusions are provided in the following sections of this report:

- 1. Holding Times**
- 2. GC/MS Tuning**
- 3. Calibration**
 - A. IC**
 - B. CC**
- 4. Blanks**
- 5. System Monitoring Compound Recovery**
- 6. MS/MSD**
- 7. Internal Standards Performance**
- 8. Compound Identification**
- 9. Constituent Quantitation and Reported Detection Limits**
- 10. System Performance**
- 11. Documentation**
- 12. Overall Assessment**

1. HOLDING TIMES

All samples were initially extracted within the seven-day technical holding time and the five-day Validated Time of Sample Receipt (VTSR) method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on a single GC/MS system, identified as MSSV3. Two decafluorotriphenylphosphine (DFTPP) tunes were run representing the shift in which the standards and samples were analyzed. The DFTPP tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 7/14/05 was analyzed in support of the semivolatile sample analyses. Documentation of the IC was present in the data package, and the Relative Response Factor (RRF), as well as percent % RSD values were accurately reported for all target compounds. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all semi-volatile compounds. The RRF's and the average RRF were within the acceptance criteria specified in the method for all reported analytes.

B. Continuing Calibration

Two CC's dated 7/14/05 and 7/15/05 were analyzed in support of the semivolatile sample analyses reported in the data submissions. The RRF's for the CC's were within the acceptance criteria. The percent difference (%D) between the average RRF's and the CC Response Factors were within the acceptance criteria.

4. BLANKS

Two laboratory semivolatile method blanks, two equipment blanks, and a field blank were analyzed with this SDG. The results are summarized below.

Method Blank (MB250947)

Di-n-butylphthalate (0.949 ppb) and Bis-(2-ethylhexyl) phthalate (1.30 ppb) were detected in the blank extracted on 6/20/05.

Method Blank (MB251534)

Di-n-butylphthalate (0.970 ppb) and Bis-(2-ethylhexyl) phthalate (1.53 ppb) were detected in the blank extracted on 6/22/05.

Equipment Blank (SKSWEB-1014)

Diethylphthalate (0.548 ppb) was detected in the Equipment Blank associated with the samples that were collected on 6/17/05.

Equipment Blank (SKGWEB-1014)

Di-n-butylphthalate (6.02 ppb) and Bis-(2-ethylhexyl) phthalate (0.991 ppb) were detected in the Equipment Blank associated with the samples that were collected on 6/16/05. The result was mitigated by the presence of Di-n-butylphthalate and Bis-(2-ethylhexyl) phthalate in the associated extraction blank.

Field Blank (SKSWFB-1014)

Di-n-butylphthalate (0.970 ppb) was detected in the Field Blank associated with the samples that were collected on 6/16/05. The result was mitigated by the presence of Di-n-butylphthalate in the associated extraction blank.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported semivolatile system monitoring compounds (SMC) were recovered within acceptable control limits with the exception of 2-Fluorobiphenyl (130%), Phenol-d5 (3%), and 2,4,6-Tribromophenol associated with samples SKSW55-1014 MSD. As per the National Functional Guidelines, if the surrogate percent recovery is greater than the upper acceptance criteria qualify detected results for that fraction with "J". If the percent recovery is less than 10% qualify detected analytes for that fraction with "J" and non-detected results for that fraction with "R".

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample SKSW50-1014 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria with the exception of 2,4-Dinitrotoluene, 4-Nitrophenol, N-Nitroso-di-n-propylamine associated with the MS. The %RPD between the MS/MSD are within the acceptance criteria with the exception of the %RPD associated with for 2,4-Dinitrotoluene, s-Chlorophenol, 4-Chloro-3-methylphenol, N-Nitroso-di-n-propylamine, Pentachlorophenol, Phenol, and Pyrene. As per the National Functional Guidelines, no action is taken on MS/MSD data alone.

7. INTERNAL STANDARDS PERFORMANCE

Internal standard (IS) areas were within acceptable limits for the reported semivolatile sample analyses with the exception of Acenaphthene-d10 (low) and Pyrene-d12 (low) associated with sample SKSW50-1014 MSD. Internal standard retention times were within acceptable limits for the reported semivolatile sample analyses. As per the National Functional Guidelines, if the IS area counts are low qualify detected results quantified using the IS with "J" and non-detected results quantified using the IS with "UJ"

8. COMPOUND IDENTIFICATION

All reported semivolatile constituents were correctly identified with supporting chromatograms present in the data package.

9. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for semivolatile constituents

10. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data submitted for review.

11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

**DATA VALIDATION SUMMARY – SAMPLE DELIVERY GROUP 205061709
VOLATILE ORGANIC**

Validation of the GC/MS volatile organics data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205061709.

GCAL #	Sample Description
20506170901	SKSW52-1014
20506170902	SKSWFB-1014
20506170903	SKGWEB-1014
20506170907	VHBLK
20506170908	TRIP BLANK
20506170909	SKSW50-1014
20506170910	SKSW50-1014 MS
20506170911	SKSW50-1014 MSD
20506170913	SKSW50-1014 DUPE
20506170914	SKSWEB-1014
20506170915	SKSW51-1014
20506170922	TRIP BLANK

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Low Concentration OLC02.0 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. The laboratory to denote specific information regarding the analytical results uses various qualifier codes. The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U** The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.
- J** The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The volatiles data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. GC/MS Tuning
3. Calibration
 - A. IC
 - B. CC
4. Blanks
5. System Monitoring Compound Recovery
6. MS/MSD
7. Laboratory Control Sample
8. Internal Standards Performance
9. Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. System Performance
12. Documentation
13. Overall Assessment

1. HOLDING TIMES

All samples for Volatile Organic Compounds (VOC) analyses were analyzed within the 14-day technical holding time and the 10-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C +/- 2°C.

2. GC/MS TUNING

The samples were analyzed on one GC/MS system, identified as MSV4. Two bromofluorobenzene (BFB) tunes were run on MSV4. The BFB tunes are acceptable.

3. CALIBRATION

A. Initial Calibration

One IC dated 6/22/05 was analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. Documentation of the IC standards is present in the data package, and RRF's as well as %RSD values were accurately reported. The criteria employed for technical data review purposes are different than those used in the method. The laboratory must meet a minimum RRF of 0.01; however, for data review purposes, a RRF criterion of "greater than or equal to 0.05" is applied to all volatile compounds.

The RRF's and the average RRF for the IC's dated 6/22/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone and 2-Butanone. As per the National Functional Guidelines, if any initial calibration RRF is less than 0.05, qualify positive results that have acceptable mass spectral identification with "J", using professional judgment, and non-detected analytes as unusable (R). It should be noted that the laboratory did meet the minimum RRF of 0.01 for all target compounds.

The %RSD's were within the acceptance criteria specified in the method for all target analytes with the exception of 1,2,4-Trichlorobenzene. As per the National Functional Guidelines, if the %RSD is greater than 30% then qualify the associated detected results for that compound(s) with "J".

B. Continuing Calibration

One CC dated 6/24/05 was analyzed on instrument MSV4 in support of the volatile sample analyses reported in the data submissions. The percent difference (%D) between the average RRF's and the CC RF's were within the acceptance criteria for all target compounds.

The CC RRF's for the CC dated 6/24/05 were within the acceptance criteria specified in the method for all target compounds with the exception of Acetone. The Acetone results were previously qualified under section 3A above.

4. BLANKS

One laboratory volatile method blank, storage blank, two Equipment blanks, a Field Blank and two Trip Blanks were analyzed with this SDG. The results are summarized below.

MB251570

Methylene chloride (0.048 ppb) was detected in the method blank analyzed on 6/24/05.

Storage Blank (VHBLK)

There were no target compounds detected in the Storage Blank analyzed on 6/24/05.

Equipment Blank (SKSWEB-1014)

Methylene chloride (0.12 ppb) was detected in the Equipment Blank associated with the samples that were collected on 6/17/05. The result was mitigated by the presence of Methylene chloride in the associated Method Blank.

Equipment Blank (SKGWEB-1014)

Methylene chloride (0.14 ppb) was detected in the Equipment Blank associated with the samples that were collected on 6/16/05. The result was mitigated by the presence of Methylene chloride in the associated Method Blank.

Field Blank (SKSWFB-1014)

Methylene chloride (0.11 ppb) was detected in the Field Blank associated with the samples that were collected on 6/16/05. The result was mitigated by the presence of Methylene chloride in the associated Method Blank.

Trip Blank

Methylene chloride (0.12 ppb) was detected in the Trip Blank associated with the samples that were collected on 6/16/05. The result was mitigated by the presence of Methylene chloride in the associated Method Blank.

Trip Blank

Methylene chloride (0.10 ppb) was detected in the Trip Blank associated with the samples that were collected on 6/20/05. The result was mitigated by the presence of Methylene chloride in the associated Method Blank.

5. SYSTEM MONITORING COMPOUND RECOVERY

All reported volatile system monitoring compounds were recovered within acceptable control limits (80%-120%) for all samples.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKGW58-1014 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

7. LABORATORY CONTROL SAMPLE

Two Laboratory Control Samples were analyzed in conjunction with this SDG. Recoveries were within the control limit for all constituents.

8. INTERNAL STANDARDS PERFORMANCE

Internal Standard (IS) areas and retention times were within acceptable limits for the reported volatile sample analyses.

9. COMPOUND IDENTIFICATION

All reported VOCs were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for VOCs.

11. SYSTEM PERFORMANCE

The analytical system appears to have been working well at the time of these analyses, based on the evaluation of the raw data.

12. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

13. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.

DATA VALIDATION SUMMARY - SAMPLE DELIVERY GROUP 205061709 PESTICIDES

Validation of the Gas Chromatography (GC) pesticides data, as prepared by Gulf Coast Analytical Laboratories (GCAL) for the samples collected from the Skinner Landfill site in June 2005, was conducted by Earth Tech using the National Functional Guidelines for Organic Data Review, (US EPA, October, 1999), as appropriate. The results were reported by GCAL under SDG 205061709.

GCAL #	Sample Description
20506170901	SKSW52-1014
20506170902	SKSWFB-1014
20506170903	SKGWEB-1014
20506170909	SKSW50-1014
20506170910	SKSW50-1014 MS
20506170911	SKSW50-1014 MSD
20506170913	SKSW50-1014 DUPE
20506170914	SKSWEB-1014
20506170915	SKSW51-1014
20506170923	SKSW52-1014 RE
20506170924	SKSWFB-1014 RE
20506170925	SKGWEB-1014 RE

INTRODUCTION

Analyses were performed according to CLP-Organic Analysis Multi-Media, Multi-Concentration OLM04.2 SOW. Results of the sample analyses are reported by the laboratory as either qualified or unqualified. Unqualified results mean that the reported values may be used without reservation. Various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

The data validation process is intended to evaluate the data on a technical basis. The data package also was subjected to an internal laboratory quality review prior to submission to Earth Tech for data validation.

During the validation process, laboratory-qualified and unqualified data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data user. Final results are therefore, either qualified or unqualified. Validator-qualified results are annotated with the following codes in accordance with the Functional Guidelines:

- U The constituent was analyzed for, but was not detected above the level of the associated analytical reporting limit. The associated value is either the sample quantitation limit or the sample detection limit.

- J** The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Details of the pesticide data validation findings and conclusions are provided in the following sections of this report:

1. Holding Times
2. Gas Chromatograph/Electronic Capture Detector (GC/ECD) Instrument Performance Check
3. IC
4. Calibration Verification
5. Blanks
6. Surrogate Spikes
7. Matrix Spike Matrix Spike Duplicate (MS/MSD)
8. Pesticide Cleanup Checks
9. Target Compound Identification
10. Constituent Quantitation and Reported Detection Limits
11. Documentation
12. Overall Assessment

1. HOLDING TIMES

All samples were originally extracted within the seven-day technical holding time and the five-day VTSR method holding time. The cooler temperature upon receipt at the laboratory was within the recommended temperature of 4°C \pm 2°C. The samples were re-extracted outside of the technical and VSTR method holding times.

As per the National Functional Guidelines, if technical holding times are exceeded, qualify all detected compound results as estimated "J" and sample quantitation limits as estimated "UJ".

2. GC/ECD INSTRUMENT PERFORMANCE CHECK

The Performance Evaluation Mixture (PEM) was analyzed at the correct frequency. Absolute retention times were within limits.

The percent resolution between adjacent peaks was within QC limits for the Pesticide Analyte Resolution Check. The percent resolution between adjacent peaks is within QC limits for the Performance Evaluation Mixtures (PEM). The percent breakdown for both 4,4'-DDT and Endrin in each PEM was less than 20.0% for both GC columns. The combined percent breakdown for 4,4'-DDT and Endrin in each PEM was less than 30.0% for both GC columns.

3. INITIAL CALIBRATION

Individual standard mixtures A and B were analyzed at the correct frequencies and concentrations. The percent resolution criterion for Individual standard mixtures A and B were within the acceptance criteria.

The Percent Relative Standard Deviation (%RSD) of the calibration factors for each of the single component pesticides was less than 20% with the exception of alpha-BHC (25.0%) and gamma-BHC (22.9%) associated with the samples analyzed on 6/28/05 (RTX-XLB). The multi-component target compounds were analyzed separately on both columns at a single concentration level. Retention times were determined from a minimum of three peaks. As per the National Functional Guidelines, up to two single component target pesticides (other than the surrogates) per column may exceed the 20% limit but the %RSD must be less than 30.0%.

4. CALIBRATION VERIFICATION

Absolute retention times were within appropriate time retention windows. The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ± 25.0 percent for the calibration dated 6/24/05 on column RTX-35MS.

The percent difference for each of the pesticides and surrogates in the PEM's were within the acceptance criteria of ± 25.0 percent with the exception of Endrin (26%) for the calibration dated 6/29/05 (1542) on column RTX-XLB.

The percent difference for each of the pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures A and B was within the acceptance criteria of ± 25.0 percent with the exception of alpha-BHC (40%) associated with INDAM02 analyzed on 6/29/05 at 1902.

As per the National Functional Guidelines, if the percent difference is greater than 25 percent for the compound(s) being quantified, qualify all associated detected results with "J" and non-detects with "UJ".

5. BLANKS

Three laboratory method blanks, two equipment blanks, and a field blank were analyzed with this SDG. The results are summarized below.

Method Blank 250946

Toxaphene was detected at a concentration of 0.384 ppb in Method Blank 250946. This blank corresponds to all samples extracted on 6/20/05.

Method Blank 252189

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/24/05.

Method Blank 255653

No constituents were detected above the laboratory-reporting limit. This blank corresponds to all samples extracted on 6/24/05.

Equipment Blank (SKSWEB-1014)

No constituents were detected above the laboratory-reporting limit in the Equipment Blank associated with the samples that were collected on 6/17/05.

Equipment Blank (SKGWEB-1014)

No constituents were detected above the laboratory-reporting limit in the Equipment Blank associated with the samples that were collected on 6/16/05.

Field Blank (SKSWFB-1014)

No constituents were detected above the laboratory-reporting limit in the Field Blank associated with the samples that were collected on 6/16/05.

6. SURROGATE SPIKES

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) surrogate spike recoveries were within the acceptance criteria (30% - 150%) for all samples except as follows:

<u>Sample ID</u>	<u>TCX (%)</u>	<u>DCM (%)</u>
Method Blank 250946	31/47	28/30

As per the National Functional Guidelines, if the surrogate(s) recoveries are between 10 and 30 percent then qualify detected compounds with "J" and non-detected compounds with "UJ".

7. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample SKSW50-1014 was submitted for MS/MSD analysis. The MS/MSD percent recoveries were within the acceptance criteria.

8. PESTICIDE CLEANUP CHECKS

Recoveries of all pesticides and surrogates were within 80-120% for the lot of Florisil cartridges utilized for pesticide cleanup.

9. TARGET COMPOUND IDENTIFICATION

All reported pesticide data were correctly identified with supporting chromatograms present in the data package.

10. CONSTITUENT QUANTITATION AND REPORTED DETECTION LIMITS

Constituent quantitations were correctly calculated and reported for pesticide constituents.

11. DOCUMENTATION

The documentation submitted for review appeared accurate and in order.

12. OVERALL ASSESSMENT

The results are acceptable with the validator-added qualifiers.



REFERENCES

US EPA, 1994. *National Functional Guidelines for Inorganic Data Review.*

US EPA, 1999. *National Functional Guidelines for Organic Data Review.*



ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 07/19/2005

GCAL Report 205061709

Deliver To Earth Tech
2373 Progress St
Hebron, KY 41048
859-442-2300

Attn Pat Higgins

Customer Earth Tech

Project Skinner Landfill

000001

CASE NARRATIVE

Client: Earth Tech **Report:** 205061709

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

SEMIVOLATILE MASS SPECTROMETRY

In the CLP-OLM04.2 Semivolatile analysis, the MS 20506170910 (SKSW-50-1014-MS) for prep batch 294063 had several surrogate, spike and MS/MSD RPD recoveries outside of control limits. The sample was re-analyzed several times with internal standards out. This is attributed to a matrix interference in the sample.

In the CLP-OLM04.2 Semivolatile analysis, the recovery for 4-Nitrophenol was slightly above QC limits in the MSD, and the RPD for Pyrene was exceeded.

SEMIVOLATILE GAS CHROMATOGRAPHY

In the CLP-OLM 04.2 Pesticide/PCB analysis, the surrogate recovery for Decachlorobiphenyl was outside of advisory limits for MB 250946 as indicated on Form II. In batch 295010, the matrix spike recovery for gamma-BHC was outside QC limits.

In the CLP-OLM 04.2 Pesticide/PCB analysis, 250946 MB had Toxaphene present at 0.384 ug/L which was below the CRDL. All samples were re-extracted to verify Toxaphene was attributed to laboratory contamination. Both sets of data are being included in the report.

METALS

Dissolved Chromium was greater than Total Chromium in samples 20506170915 (SKSW51-1014) and 20506170921 (SKSW51-1014 (DISS)). This is attributed to separate aliquots of sample.

In the ILM04.1 - CLP Metals analysis, the MS recoveries were outside the control limits for Arsenic and Selenium for prep batch 293860, for Selenium and Thallium for prep batch 293859 and for Selenium for prep batch 294084. The LCS recoveries were within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

The MS recovery is not applicable for Aluminum and Iron for prep batch 293859 because the sample concentration is greater than four times the spike concentration.

In the ILM04.1 - CLP Metals analysis the Sample/Duplicate RPDs for Chromium and

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Zinc for prep batch 293860, for Arsenic, Copper, Aluminum, Manganese for prep batch 294084 are not applicable because the sample and/or duplicate concentrations are less than five times the reporting limit.

In the ILM04.1 CLP Cyanide analysis the Sample/Duplicate RPD for Cyanide, Total for prep batch 294046 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the ILM04.1 - CLP Metals analysis, Aluminum, Calcium, Copper, Iron, Magnesium, Manganese, Potassium, Sodium, and Vanadium for prep batch 293859 and Manganese for prep batch 294084 are flagged as estimated for samples associated with these batches due to the fact that the percent difference between the original sample results and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM


Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.


CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 205061709

THIS REPORT CONTAINS 801 PAGES.

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Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20506170901	SKSW52-1014	Water	06/16/2005 14:30	06/17/2005 10:20
20506170902	SKSWFB-1014	Water	06/16/2005 15:15	06/17/2005 10:20
20506170903	SKGWEB-1014	Water	06/16/2005 11:30	06/17/2005 10:20
20506170904	SKSW52-1014 (DISS)	Water	06/16/2005 14:30	06/17/2005 10:20
20506170905	SKSWFB-1014 (DISS)	Water	06/16/2005 15:15	06/17/2005 10:20
20506170906	SKGWEB-1014 (DISS)	Water	06/16/2005 11:30	06/17/2005 10:20
20506170907	VHBLK	Water		06/17/2005 10:20
20506170908	TRIP BLANK	Water	06/16/2005 00:00	06/17/2005 10:20
20506170909	SKSW50-1014	Water	06/20/2005 11:35	06/21/2005 08:48
20506170910	SKSW50-1014-MS	Water	06/20/2005 12:00	06/21/2005 08:48
20506170911	SKSW50-1014-MSD	Water	06/20/2005 12:25	06/21/2005 08:48
20506170912	SKSW50-1014-DUP	Water	06/20/2005 12:25	06/21/2005 08:48
20506170913	SKSW51-1014-DUPE	Water	06/20/2005 10:50	06/21/2005 08:48
20506170914	SKSWEB-1014	Water	06/20/2005 14:10	06/21/2005 08:48
20506170915	SKSW51-1014	Water	06/20/2005 10:20	06/21/2005 08:48
20506170916	SKSW50-1014 (DISS)	Water	06/20/2005 11:35	06/21/2005 08:48
20506170917	SKSW50-1014-MS (DISS)	Water	06/20/2005 12:00	06/21/2005 08:48
20506170918	SKSW50-1014-DUP (DISS)	Water	06/20/2005 12:00	06/21/2005 08:48
20506170919	SKSW51-1014-DUPE (DISS)	Water	06/20/2005 10:50	06/21/2005 08:48
20506170920	SKSWEB-1014 (DISS)	Water	06/20/2005 14:10	06/21/2005 08:48
20506170921	SKSW51-1014 (DISS)	Water	06/20/2005 10:20	06/21/2005 08:48
20506170922	TRIP BLANK	Water		06/21/2005 08:48
20506170923	SKSW52-1014 RE	Water	06/16/2005 14:30	06/17/2005 10:20
20506170924	SKSWFB RE	Water	06/16/2005 15:15	06/17/2005 10:20
20506170925	SKSWEB RE	Water	06/16/2005 11:30	06/17/2005 10:20

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW52-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061708
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506170801
 Level: (low/med) _____ Lab File ID: 2050624P/U4258
 % Moisture: not dec. _____ Date Collected: 06/16/05 Time: 1430
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/17/05
 Instrument ID: MSV4 Date Analyzed: 06/24/05 Time: 1612
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294076
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-83-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropene	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-83-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
106-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-86-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM 1 VOA

10/11/05
RSP

000013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW52-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709

Matrix: (soil/water) Water

Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506170901

Level: (low/med) _____ Lab File ID: 2050624P/U4259

% Moisture: not dec. _____ Date Collected: 06/16/05 Time: 1430

GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/17/05

Instrument ID: MSV4 Date Analyzed: 06/24/05 Time: 1612

Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294076

CONCENTRATION UNITS: ug/L Analytical Method: OLCO 2.1

CAS NO. COMPOUND RESULT Q MDL RL

75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

FORM 1 VOA

000014

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKSW52-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
Metric: Water Lab Sample ID: 20506170901
Sample wt/vol: _____ Units: _____ Lab File ID: 2050624P/U4259
Level: (low/med) _____ Date Collected: 06/16/05 Time: 1430
% Moisture: not dec. _____ Date Received: 06/17/05
GC Column: RTX-624-30 ID: .53 (mm) Date Analyzed: 06/24/05 Time: 1612
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO
Soil Extract Volume: _____ (μ L)
Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	No fics detected			

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506170909
 Level: (low/med) _____ Lab File ID: 2050624P/U4257
 % Moisture: not dec. _____ Date Collected: 06/20/05 Time: 1135
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/21/05
 Instrument ID: MSV4 Date Analyzed: 06/24/05 Time: 1525
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294076

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethene	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-59-0	1,2-Dichloroethene	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-93-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
108-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-84-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
56-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
108-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	0.14	J	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-48-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

FORM I VOA

10/10/05
msw

000054

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW50-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
 Matrix (soil/water): Water
 Sample wt/vol: 25 (g/ml) ml Lab Sample ID: 20506170909
 Level: (low/med) _____ Lab File ID: 2050624P/U4257
 % Moisture: not dec. _____ Date Collected: 06/20/05 Time: 1135
 GC Column: DB-624-30M ID: 53 (mm) Date Received: 06/21/05
 Instrument ID: MSV4 Date Analyzed: 06/24/05 Time: 1525
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RSP
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294076

CONCENTRATION UNITS: ug/L

Analytical Method: OLCO 2.1

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKSW50-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
Matrix: Water Lab Sample ID: 20506170909
Sample wt/vol: _____ Units: _____ Lab File ID: 2050624P/U4257
Level: (low/med) _____ Date Collected: 06/20/05 Time: 1135
% Moisture: not dec. _____ Date Received: 06/21/05
GC Column: RTX-624-30 ID: .53 (mm) Date Analyzed: 06/24/05 Time: 1525
Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO
Soil Extract Volume: _____ (μ L)
Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	No tics detected			

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No. _____ SAS No.: _____ SDG No.: 205061709
 Matrix (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506170915
 Level: (low/med) _____ Lab File ID: 2050624P/U4267
 % Moisture: not dec. _____ Date Collected: 06/20/05 Time: 1020
 GC Column: DB-624-30M ID: 53 (mm) Date Received: 06/21/05
 Instrument ID: MSV4 Date Analyzed: 06/24/05 Time: 1915
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RJO
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294076
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: µg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.010	1.0
78-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.010	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.010	1.0
75-34-3	1,1-Dichloroethane	1.0	U	0.010	1.0
75-35-4	1,1-Dichloroethane	1.0	U	0.010	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.010	1.0
106-93-4	1,2-Dibromoethane	1.0	U	0.010	1.0
95-50-1	1,2-Dichlorobenzene	1.0	U	0.010	1.0
107-06-2	1,2-Dichloroethane	1.0	U	0.010	1.0
540-58-0	1,2-Dichloroethane	1.0	U	0.010	1.0
78-87-5	1,2-Dichloropropane	1.0	U	0.010	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	0.010	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	0.010	1.0
78-83-3	2-Butanone	5.0	U	0.010	5.0
591-78-6	2-Hexanone	5.0	U	0.010	5.0
106-10-1	4-Methyl-2-pentanone	5.0	U	0.010	5.0
67-64-1	Acetone	5.0	U	0.010	5.0
71-43-2	Benzene	1.0	U	0.010	1.0
75-27-4	Bromodichloromethane	1.0	U	0.010	1.0
75-25-2	Bromoform	1.0	U	0.010	1.0
74-83-9	Bromomethane	1.0	U	0.010	1.0
75-15-0	Carbon disulfide	1.0	U	0.010	1.0
58-23-5	Carbon tetrachloride	1.0	U	0.010	1.0
106-90-7	Chlorobenzene	1.0	U	0.010	1.0
75-00-3	Chloroethane	1.0	U	0.010	1.0
67-66-3	Chloroform	1.0	U	0.010	1.0
74-87-3	Chloromethane	1.0	U	0.010	1.0
124-46-1	Dibromochloromethane	1.0	U	0.010	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.010	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.010	1.0
100-41-4	Ethylbenzene	1.0	U	0.010	1.0

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10/14/05
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FORM 1 VOA

000078

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SKSW51-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
 Matrix: (soil/water) Water
 Sample wt/vol: 25 (g/ml) mL Lab Sample ID: 20506170915
 Level: (low/med) _____ Lab File ID: 2050624P/U4267
 % Moisture: not dec. _____ Date Collected: 06/20/05 Time: 1020
 GC Column: DB-624-30M ID: .53 (mm) Date Received: 06/21/05
 Instrument ID: MSV4 Date Analyzed: 06/24/05 Time: 1915
 Soil Extract Volume: _____ (µL) Dilution Factor: 1 Analyst: RJO
 Soil Aliquot Volume: _____ (µL) Prep Batch: _____ Analytical Batch: 294076
 Analytical Method: OLCO 2.1
 CONCENTRATION UNITS: ug/L

CAS NO. COMPOUND RESULT Q MDL RL

75-09-2	Methylene chloride	2.0	U	0.010	2.0
100-42-5	Styrene	1.0	U	0.010	1.0
127-18-4	Tetrachloroethene	1.0	U	0.010	1.0
108-88-3	Toluene	1.0	U	0.010	1.0
79-01-6	Trichloroethene	1.0	U	0.010	1.0
75-01-4	Vinyl chloride	1.0	U	0.010	1.0
1330-20-7	Xylene (total)	1.0	U	0.010	1.0

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SKSW51-1014

Lab Name: GCAL Contract: _____

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709

Matrix: Water Lab Sample ID: 20506170915

Sample wt/vol: _____ Units: _____ Lab File ID: 2050624P/U4267

Level: (low/med) _____ Date Collected: 06/20/05 Time: 1020

% Moisture: not dec. _____ Date Received: 06/21/05

GC Column: RTX-624-30 ID: .53 (mm) Date Analyzed: 06/24/05 Time: 1915

Instrument ID: MSV4 Dilution Factor: 1 Analyst: RJO

Soil Extract Volume: _____ (μ L)

Soil Aliquot Volume: _____ (μ L)

Number TICs Found: 0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	No tics detected			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061709
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKSW52-1014
 Contract: _____
 Lab File ID: 2050714/B0335
 Lab Sample ID: 20506170901
 Date Collected: 06/16/05 Time: 1430
 Date Received: 06/17/05
 Date Extracted: 06/20/05
 Date Analyzed: 07/14/05 Time: 1630
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061709

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted (Y/N) _____

GC Column: DB-5MS-30M ID .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKSW52-1014

Contract: _____

Lab File ID: 2050714/B0335

Lab Sample ID: 20506170901

Date Collected: 06/16/05 Time: 1430

Date Received: 06/17/05

Date Extracted: 06/20/05

Date Analyzed: 07/14/05 Time: 1630

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM 2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: µg/LPrep Batch: 293939 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	JB	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061709
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKSW52-1014
 Contract: _____
 Lab File ID: 2050714/B0335
 Lab Sample ID: 20506170901
 Date Collected: 06/16/05 Time: 1430
 Date Received: 06/17/05
 Date Extracted: 06/20/05
 Date Analyzed: 07/14/05 Time: 1630
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 293939 Analytical Batch: 295505

CAS NO. COMPOUND

RESULT Q MDL RL

86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>GCAL</u>	Sample ID: <u>SKSW52-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
SAS No.: _____ SDG No.: <u>205061709</u>	Lab File ID: <u>2050714/B0335</u>
Matrix: <u>Water</u>	Lab Sample ID: <u>20506170901</u>
Sample wt/vol: _____ Units: _____	Date Collected: <u>06/16/05</u> Time: <u>1430</u>
Level: (low/med) _____	Date Received: <u>06/17/05</u>
% Moisture: not dec. _____	Date Extracted: _____
GC Column: <u>DB-5MS-30M</u> ID: <u>25</u> (mm)	Date Analyzed: <u>07/14/05</u> Time: <u>1630</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Dilution Factor: <u>1</u> Analyst: <u>JAR3</u>
Injection Volume: <u>1.0</u> (µL)	Prep Method: _____
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>SW-846 8270C</u>
	Instrument ID: <u>MSSV3</u>

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 603-11-2	1,2-Benzenedicarboxylic acid,	6.282	4.99	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061709
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKSW50-1014
 Contract: _____
 Lab File ID: 2050714/B0340
 Lab Sample ID: 20506170909
 Date Collected: 06/20/05 Time: 1135
 Date Received: 06/21/05
 Date Extracted: 06/22/05
 Date Analyzed: 07/14/05 Time: 1804
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 294063 Analytical Batch: 295505

CAS NO. COMPOUND

RESULT Q MDL RL

95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.: _____

SAS No.: _____ SDG No.: 205061709

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: _____ decanted (Y/N) _____

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKSW50-1014

Contract: _____

Lab File ID: 2050714/B0340

Lab Sample ID: 20506170909

Date Collected: 06/20/05 Time: 1135

Date Received: 06/21/05

Date Extracted: 06/22/05

Date Analyzed: 07/14/05 Time: 1804

Dilution Factor: 1 Analyst: JAR3

Prep Method: OLM4.2 SVOA

Analytical Method: OLMO 4.2

Instrument ID: MSSV3

CONCENTRATION UNITS: µg/L

Prep Batch: 294063 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKSW50-1014Lab Code: LA024 Case No.: _____

Contract: _____

SAS No.: _____ SDG No.: 205061709Lab File ID: 2050714/B0340Matrix: WaterLab Sample ID: 20506170909Sample wt/vol: 1000 Units: mLDate Collected: 06/20/05 Time: 1135Level: (low/med) LOWDate Received: 06/21/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/22/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1804Concentrated Extract Volume: 1000 (μ L)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (μ L)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 294063 Analytical Batch: 295505**CAS NO. COMPOUND****RESULT Q MDL RL**

86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>GCAL</u>	Sample ID: <u>SKSW50-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
SAS No.: _____ SDG No.: <u>205061709</u>	Lab File ID: <u>2050714/B0340</u>
Matrix: <u>Water</u>	Lab Sample ID: <u>20506170909</u>
Sample wt/vol: _____ Units: _____	Date Collected: <u>06/20/05</u> Time: <u>1135</u>
Level: (low/mod) _____	Date Received: <u>06/21/05</u>
% Moisture: not dec. _____	Date Extracted: _____
GC Column: <u>DB-5MS-30M</u> ID: <u>.25</u> (mm)	Date Analyzed: <u>07/14/05</u> Time: <u>1804</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Dilution Factor: <u>1</u> Analyst: <u>JAR3</u>
Injection Volume: <u>1.0</u> (µL)	Prep Method: _____
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>SW-846 8270C</u>
	Instrument ID: <u>MSSV3</u>

Number TICs Found : 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	Unknown	2.603	10.8	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.: _____
 SAS No.: _____ SDG No.: 205061709
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: _____ decanted: (Y/N) _____
 GC Column: DB-5MS-30M ID: .25 (mm)
 Concentrated Extract Volume: 1000 (µL)
 Injection Volume: 1.0 (µL)
 GPC Cleanup: (Y/N) N pH: _____

Sample ID: SKSW51-1014
 Contract: _____
 Lab File ID: 2050714/B0345
 Lab Sample ID: 20506170915
 Date Collected: 06/20/05 Time: 1020
 Date Received: 06/21/05
 Date Extracted: 06/22/05
 Date Analyzed: 07/14/05 Time: 1955
 Dilution Factor: 1 Analyst: JAR3
 Prep Method: OLM4.2 SVOA
 Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/L

Prep Batch: 294063 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
95-95-4	2,4,5-Trichlorophenol	10.0	U	0.010	10.0
88-06-2	2,4,6-Trichlorophenol	10.0	U	0.010	10.0
120-83-2	2,4-Dichlorophenol	10.0	U	0.010	10.0
51-28-5	2,4-Dinitrophenol	25.0	U	0.010	25.0
121-14-2	2,4-Dinitrotoluene	10.0	U	0.010	10.0
606-20-2	2,6-Dinitrotoluene	10.0	U	0.010	10.0
91-58-7	2-Chloronaphthalene	10.0	U	0.010	10.0
95-57-8	2-Chlorophenol	10.0	U	0.010	10.0
91-57-6	2-Methylnaphthalene	10.0	U	0.010	10.0
88-74-4	2-Nitroaniline	25.0	U	0.010	25.0
88-75-5	2-Nitrophenol	10.0	U	0.010	10.0
91-94-1	3,3'-Dichlorobenzidine	10.0	U	0.010	10.0
99-09-2	3-Nitroaniline	25.0	U	0.010	25.0
534-52-1	2-Methyl-4,6-dinitrophenol	25.0	U	0.010	25.0
59-50-7	4-Chloro-3-methylphenol	10.0	U	0.010	10.0
106-47-8	4-Chloroaniline	10.0	U	0.010	10.0
7005-72-3	4-Chlorophenyl-phenylether	10.0	U	0.010	10.0
106-44-5	4-Methylphenol (p-Cresol)	10.0	U	0.010	10.0
83-32-9	Acenaphthene	10.0	U	0.010	10.0
208-96-8	Acenaphthylene	10.0	U	0.010	10.0
120-12-7	Anthracene	10.0	U	0.010	10.0
56-55-3	Benzo(a)anthracene	10.0	U	0.010	10.0
50-32-8	Benzo(a)pyrene	10.0	U	0.010	10.0
205-99-2	Benzo(b)fluoranthene	10.0	U	0.010	10.0
191-24-2	Benzo(g,h,i)perylene	10.0	U	0.010	10.0
207-08-9	Benzo(k)fluoranthene	10.0	U	0.010	10.0
111-91-1	Bis(2-Chloroethoxy)methane	10.0	U	0.010	10.0
111-44-4	Bis(2-Chloroethyl)ether	10.0	U	0.010	10.0
108-60-1	bis(2-Chloroisopropyl)ether	10.0	U	0.010	10.0

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKSW51-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 SAS No.: _____ SDG No.: 205061709 Lab File ID: 2050714/B0345
 Matrix: Water Lab Sample ID: 20506170915
 Sample wt/vol: 1000 Units: mL Date Collected: 06/20/05 Time: 1020
 Level: (low/med) LOW Date Received: 06/21/05
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 06/22/05
 GC Column: DB-5MS-30M ID: .25 (mm) Date Analyzed: 07/14/05 Time: 1955
 Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst: JAR3
 Injection Volume: 1.0 (µL) Prep Method: OLM4.2 SVOA
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Instrument ID: MSSV3

CONCENTRATION UNITS: ug/LPrep Batch: 294063 Analytical Batch: 295505

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U	0.010	10.0
101-55-3	4-Bromophenyl-phenylether	10.0	U	0.010	10.0
85-68-7	Butylbenzylphthalate	10.0	U	0.010	10.0
86-74-8	Carbazole	10.0	U	0.010	10.0
218-01-9	Chrysene	10.0	U	0.010	10.0
84-74-2	Di-n-butylphthalate	10.0	U	0.010	10.0
117-84-0	Di-n-octylphthalate	10.0	U	0.010	10.0
53-70-3	Dibenz(a,h)anthracene	10.0	U	0.010	10.0
132-64-9	Dibenzofuran	10.0	U	0.010	10.0
84-66-2	Diethylphthalate	10.0	U	0.010	10.0
131-11-3	Dimethyl-phthalate	10.0	U	0.010	10.0
105-67-9	2,4-Dimethylphenol	10.0	U	0.010	10.0
206-44-0	Fluoranthene	10.0	U	0.010	10.0
86-73-7	Fluorene	10.0	U	0.010	10.0
118-74-1	Hexachlorobenzene	10.0	U	0.010	10.0
87-68-3	Hexachlorobutadiene	10.0	U	0.010	10.0
77-47-4	Hexachlorocyclopentadiene	10.0	U	0.010	10.0
67-72-1	Hexachloroethane	10.0	U	0.010	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	10.0	U	0.010	10.0
78-59-1	Isophorone	10.0	U	0.010	10.0
91-20-3	Naphthalene	10.0	U	0.010	10.0
100-01-6	4-Nitroaniline	25.0	U	0.010	25.0
98-95-3	Nitrobenzene	10.0	U	0.010	10.0
100-02-7	4-Nitrophenol	25.0	U	0.010	25.0
87-86-5	Pentachlorophenol	25.0	U	0.010	25.0
85-01-8	Phenanthrene	10.0	U	0.010	10.0
108-95-2	Phenol	10.0	U	0.010	10.0
129-00-0	Pyrene	10.0	U	0.010	10.0
621-64-7	N-Nitroso-di-n-propylamine	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCALSample ID: SKSW51-1014Lab Code: LA024

Case No.: _____

Contract: _____

SAS No.: _____

SDG No.: 205061709Lab File ID: 2050714/B0345Matrix: WaterLab Sample ID: 20506170915Sample wt/vol: 1000 Units: mLDate Collected: 06/20/05 Time: 1020Level: (low/med) LOWDate Received: 06/21/05

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/22/05GC Column: DB-5MS-30M ID: .25 (mm)Date Analyzed: 07/14/05 Time: 1955Concentrated Extract Volume: 1000 (µL)Dilution Factor: 1 Analyst: JAR3Injection Volume: 1.0 (µL)Prep Method: OLM4.2 SVOAGPC Cleanup: (Y/N) N pH: _____Analytical Method: OLMO 4.2Instrument ID: MSSV3CONCENTRATION UNITS: ug/LPrep Batch: 294063 Analytical Batch: 295505**CAS NO. COMPOUND****RESULT Q MDL RL**

86-30-6	N-Nitrosodiphenylamine	10.0	U	0.010	10.0
95-48-7	o-Cresol	10.0	U	0.010	10.0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GCAL Sample ID: SKSW51-1014
Lab Code: LA024 Case No.: Contract:
SAS No.: SDG No.: 205061709 Lab File ID: 2050714/B0345
Matrix: Water Lab Sample ID: 20506170915
Sample wt/vol: Units: Date Collected: 06/20/05 Time: 1020
Level: (low/med) Date Received: 06/21/05
% Moisture: not dec. Date Extracted:
GC Column: DB-5MS-30M ID: .25 (mm) Date Analyzed: 07/14/05 Time: 1955
Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst: JAR3
Injection Volume: 1.0 (µL) Prep Method:
GPC Cleanup: (Y/N) N pH: Analytical Method: SW-846 8270C
Instrument ID: MSSV3

Number TICs Found: 2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	Unknown	2.722	8.25	
2.	Unknown	2.91	9.71	

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>GCAL</u>	Sample ID: <u>SKSW52-1014</u>
Lab Code: <u>LA024</u> Case No.: _____	Contract: _____
Matrix: <u>Water</u>	SAS No.: _____ SDG No.: <u>205061709</u>
Sample wt/vol: <u>1000</u> Units: <u>mL</u>	Lab Sample ID: <u>20506170901</u>
Level: (low/med) <u>LOW</u>	Date Collected: <u>06/16/05</u> Time: <u>1430</u>
% Moisture: _____ decanted: (Y/N) _____	Date Received: <u>06/17/05</u>
GC Column: _____ ID: _____ (mm)	Date Extracted: <u>06/20/05</u>
Concentrated Extract Volume: <u>1000</u> (µL)	Date Analyzed: <u>06/24/05</u> Time: <u>0921</u>
Soil Aliquot Volume: _____ (µL)	Dilution Factor: <u>1</u> Analyst: <u>TLS</u>
Injection Volume: <u>1</u> (µL)	Prep Method: <u>OLM4.2 PEST/PCB</u>
GPC Cleanup: (Y/N) <u>N</u> pH: _____	Analytical Method: <u>OLMO 4.2</u>
Prep Batch: <u>293938</u> Analytical Batch: <u>294768</u>	Sulfur Cleanup: (Y/N) <u>N</u> Instrument ID: <u>GCS12A</u>

CONCENTRATION UNITS: ug/L

Lab File ID: 2050623/SV12A035

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

u3

u3

10/31/05
msn

1D
ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.:
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: decanted: (Y/N)
 GC Column: ID: (mm)
 Concentrated Extract Volume: 1000 (µL)
 Soil Aliquot Volume: (µL)
 Injection Volume: 1 (µL)
 GPC Cleanup: (Y/N) N pH:
 Prep Batch: 294172 Analytical Batch: 294773

Sample ID: SKSW50-1014
 Contract:
 SAS No.: SDG No.: 205061709
 Lab Sample ID: 20506170909
 Date Collected: 06/20/05 Time: 1135
 Date Received: 06/21/05
 Date Extracted: 06/24/05
 Date Analyzed: 06/25/05 Time: 2248
 Dilution Factor: 1 Analyst: SJT
 Prep Method: OLM4.2 PEST/PCB
 Analytical Method: OLMO 4.2
 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050625/SV12A025

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53489-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-89-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53484-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL Sample ID: SKSW51-1014
 Lab Code: LA024 Case No.: _____ Contract: _____
 Matrix: Water SAS No.: _____ SDG No.: 205061709
 Sample wt/vol: 1000 Units: mL Lab Sample ID: 20506170915
 Level: (low/med) LOW Date Collected: 06/20/05 Time: 1020
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 06/21/05
 GC Column: _____ ID: _____ (mm) Date Extracted: 06/24/05
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/05 Time: 0017
 Soil Aliquot Volume: _____ (µL) Dilution Factor: 1 Analyst: SJT
 Injection Volume: 1 (µL) Prep Method: OLM4.2 PEST/PCB
 GPC Cleanup: (Y/N) N pH: _____ Analytical Method: OLMO 4.2
 Prep Batch: 294172 Analytical Batch: 294773 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A

CONCENTRATION UNITS: ug/L

Lab File ID: 2050625/SV12A030

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.100	U	0.000100	0.100
72-55-9	4,4'-DDE	0.100	U	0.000100	0.100
50-29-3	4,4'-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11097-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11096-82-5	Aroclor-1260	1.00	U	0.000100	1.00
60-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
 Lab Code: LA024 Case No.:
 Matrix: Water
 Sample wt/vol: 1000 Units: mL
 Level: (low/med) LOW
 % Moisture: decanted: (Y/N)
 GC Column: ID: (mm)
 Concentrated Extract Volume: 1000 (µL)
 Soil Aliquot Volume: (µL)
 Injection Volume: 1 (µL)
 GPC Cleanup: (Y/N) N pH:
 Prep Batch: 295010 Analytical Batch: 295507

Sample ID: SKSW52-1014 RE
 Contract:
 SAS No: SDG No.: 205061709
 Lab Sample ID: 20506170923
 Date Collected: 06/16/05 Time: 1430
 Date Received: 06/17/05
 Date Extracted: 06/24/05
 Date Analyzed: 06/25/05 Time: 2043
 Dilution Factor: 1 Analyst: SJT
 Prep Method: OLM4.2 PEST/PCB
 Analytical Method: OLMO 4.2
 Sulfur Cleanup: (Y/N) N Instrument ID: GCS12A
 Lab File ID: 2050625/SV12A018

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4-DDD	0.100	U	0.000100	0.100
72-55-9	4,4-DDE	0.100	U	0.000100	0.100
50-29-3	4,4-DDT	0.100	U	0.000100	0.100
309-00-2	Aldrin	0.050	U	0.000100	0.050
12674-11-2	Aroclor-1016	1.00	U	0.000100	1.00
11104-28-2	Aroclor-1221	2.00	U	0.000100	2.00
11141-16-5	Aroclor-1232	1.00	U	0.000100	1.00
53469-21-9	Aroclor-1242	1.00	U	0.000100	1.00
12672-29-6	Aroclor-1248	1.00	U	0.000100	1.00
11087-69-1	Aroclor-1254	1.00	U	0.000100	1.00
11086-82-5	Aroclor-1260	1.00	U	0.000100	1.00
80-57-1	Dieldrin	0.100	U	0.000100	0.100
959-98-8	Endosulfan I	0.050	U	0.000100	0.050
33213-65-9	Endosulfan II	0.100	U	0.000100	0.100
1031-07-8	Endosulfan sulfate	0.100	U	0.000100	0.100
72-20-8	Endrin	0.100	U	0.000100	0.100
7421-93-4	Endrin aldehyde	0.100	U	0.000100	0.100
53494-70-5	Endrin ketone	0.100	U	0.000100	0.100
76-44-8	Heptachlor	0.050	U	0.000100	0.050
1024-57-3	Heptachlor epoxide	0.050	U	0.000100	0.050
72-43-5	Methoxychlor	0.500	U	0.000100	0.500
8001-35-2	Toxaphene	5.00	U	0.000100	5.00
319-84-6	alpha-BHC	0.050	U	0.000100	0.050
5103-71-9	alpha-Chlordane	0.050	U	0.000100	0.050
319-85-7	beta-BHC	0.050	U	0.000100	0.050
319-86-8	delta-BHC	0.050	U	0.000100	0.050
58-89-9	gamma-BHC (Lindane)	0.050	U	0.000100	0.050
5103-74-2	gamma-Chlordane	0.050	U	0.000100	0.050

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Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
SOW No.: _____

<i>EPA Sample No</i>	<i>Lab Sample ID</i>
<u>SKSW52-1014</u>	<u>20506170901</u>
<u>SKSWFB-1014</u>	<u>20506170902</u>
<u>SKGWEB-1014</u>	<u>20506170903</u>
<u>SKSW52-1014 (DISS)</u>	<u>20506170904</u>
<u>SKSWFB-1014 (DISS)</u>	<u>20506170905</u>
<u>SKGWEB-1014 (DISS)</u>	<u>20506170906</u>
<u>SKSW50-1014</u>	<u>20506170909</u>
<u>SKSW50-1014-MS</u>	<u>20506170910</u>
<u>SKSW50-1014-DUP</u>	<u>20506170912</u>
<u>SKSW51-1014-DUPE</u>	<u>20506170913</u>
<u>SKSWEB-1014</u>	<u>20506170914</u>
<u>SKSW51-1014</u>	<u>20506170915</u>
<u>SKSW50-1014 (DISS)</u>	<u>20506170916</u>
<u>SKSW50-1014-MS (DISS)</u>	<u>20506170917</u>
<u>SKSW50-1014-DUP (DISS)</u>	<u>20506170918</u>

Were ICP Interelement corrections applied ? Yes / No YES
Were ICP background corrections applied ? Yes / No YES
If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman Name: MARK PETERMAN
Date: 7/18/95 Title: METALS SUPERVISOR

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
SOW No.: _____

<u>EPA Sample No</u>	<u>Lab Sample ID</u>
<u>SKSW51-1014-DUPE (DISS)</u>	<u>20506170919</u>
<u>SKSWEB-1014 (DISS)</u>	<u>20506170920</u>
<u>SKSW51-1014 (DISS)</u>	<u>20506170921</u>

Were ICP interelement corrections applied ? Yes / No YES
Were ICP background corrections applied ? Yes / No YES
If yes-were raw data generated before application of background corrections ? Yes / No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness for other than the conditions detailed above. Release of this data contained in this hardcopy data package and in the computer readable data submitted on the diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mark Peterman
Date: 7/18/05

Name: MARK PETERMAN
Title: METALS SUPERVISOR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW52-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
 Matrix (soil / water) Water Lab Sample ID: 20506170901
 Level: (low / med) _____ Date Received: 06/17/05
 % Solids: _____
 Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	97.2	B	E	P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.9	B		P
7440-39-3	Barium	49.5	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	89800		E	P
7440-47-3	Chromium	5.1	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U	E	P
7439-89-6	Iron	38.3	B	E	P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	25600		E	P
7439-96-5	Manganese	7.6	B	E	P
7439-97-8	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3400	B	E	P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	52800		E	P
7440-28-0	Thallium	4.1	U	N	P
7440-62-2	Vanadium	10.9	B	E	P
7440-66-6	Zinc	5.6	B		P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
 Comments: _____

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW52-1014 (DISS)

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
 Matrix (soil / water) Water Lab Sample ID: 20506170904
 Level: (low / med) _____ Date Received: 06/17/05
 % Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30.0	B		P
7440-38-0	Antimony	4.00	U		P
7440-38-2	Arsenic	3.8	U	N	P
7440-39-3	Barium	48.2	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	94500			P
7440-47-3	Chromium	0.8	U		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-82-1	Lead	1.4	U		P
7439-95-4	Magnesium	26100			P
7439-96-5	Manganese	3.9	B	E	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3510	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	54900			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	10.9	B		P
7440-66-6	Zinc	8.9	B		P

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
 Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50-1014

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
Matrix: (soil / water) Water Lab Sample ID: 20506170909
Level: (low / med) _____ Date Received: 06/21/05
% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.2	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	7.2	B		P
7440-39-3	Barium	50.5	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	85200			P
7440-47-3	Chromium	29.8			P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	132			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	26500			P
7439-96-5	Manganese	10.4	B	FE	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3310	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	51200			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	11.8	B		P
7440-66-6	Zinc	7.1	B		P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1014

Lab Name: GCAL Contract: _____
 Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
 Matrix (soil / water) Water Lab Sample ID: 20506170915
 Level: (low / med) _____ Date Received: 06/21/05
 % Solids: _____
 Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	43.6	B		P
7440-38-0	Antimony	4.00	U		P
7440-38-2	Arsenic	9.1	B		P
7440-39-3	Barium	50.4	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	95300			P
7440-47-3	Chromium	7.6	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	27.9	B		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	30600			P
7439-96-5	Manganese	5.4	B	FE	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3080	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	56100			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	12.9	B		P
7440-66-6	Zinc	4.8	B		P
57-12-5	Cyanide	0.6	U		AS

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
 Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW50-1014 (DISS)

Lab Name: GCAL Contract: _____
Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 205061709
Matrix: (soil / water) Water Lab Sample ID: 20506170916
Level: (low / med) _____ Date Received: 06/21/05
% Solids: _____
Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25.2	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	6.8	B		P
7440-39-3	Barium	53.1	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-9	Cadmium	0.1	U		P
7440-70-2	Calcium	89000			P
7440-47-3	Chromium	5.4	B		P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	10.5	U		P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	28000			P
7439-96-5	Manganese	7.4	B	RE	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3460	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	53000			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	11.5	B		P
7440-66-6	Zinc	8.3	B		P

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Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKSW51-1014 (DISS)

Lab Name: GCAL

Contract: _____

Lab Code: LA024

Case No.: _____

SAS No.: _____

SDG No.: 205061709

Matrix (soil / water) Water

Lab Sample ID: 20506170921

Level: (low / med) _____

Date Received: 06/21/05

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight) : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.1	B		P
7440-36-0	Antimony	4.00	U		P
7440-38-2	Arsenic	8.7	B		P
7440-39-3	Barium	48.6	B		P
7440-41-7	Beryllium	0.1	U		P
7440-43-0	Cadmium	0.1	U		P
7440-70-2	Calcium	94700			P
7440-47-3	Chromium	12.7			P
7440-48-4	Cobalt	0.6	U		P
7440-50-8	Copper	0.7	U		P
7439-89-6	Iron	35.3	B		P
7439-82-1	Lead	1.4	U		P
7439-95-4	Magnesium	29400			P
7439-96-5	Manganese	4.8	B	RE	P
7439-97-6	Mercury	0.1	U		AV
7440-02-0	Nickel	0.4	U		P
7440-09-7	Potassium	3060	B		P
7782-49-2	Selenium	3.5	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	53700			P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	13.2	B		P
7440-66-6	Zinc	9.3	B		P

UJ

J

UJ

R

10/15/05
MSW

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____